METABOLIC AND CARDIOVASCULAR COMPLICATIONS IN OBSTRUCTIVE SLEEP APNEA PATIENTS: A DESCRIPTIVE STUDY

THESIS SUBMITTED TO THE FACULTY OF

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHOPAL

FOR THE AWARD OF THE DEGREE DM IN THE SUBJECT OF

PULMONARY, CRITICAL CARE AND SLEEP MEDICINE

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AIIMS, Bhopal Institutional Human Ethics Committee- Post Graduate Research (IHEC-PGR) in its 5th meeting held on 10th February 2022 discussed your proposal titled **"Metabolic and cardiovascular complications in patients of Obstructive sleep apnea: A descriptive study"** and evaluated it for suitability for your dissertation as required for fulfilment of DM/M.Ch program.

Following members attended the meeting:

1. Prof. D. K. Pal, Former Professor & HoD Community Medicine, GMC, Bhopal…Chairperson
2. Prof. Rajnish Joshi, Professor of General Medicine, AIIMS, Bhopal……Member
3. Prof. Amit Agrawal, Professor of Neurosurgery, AIIMS, Bhopal……..Member
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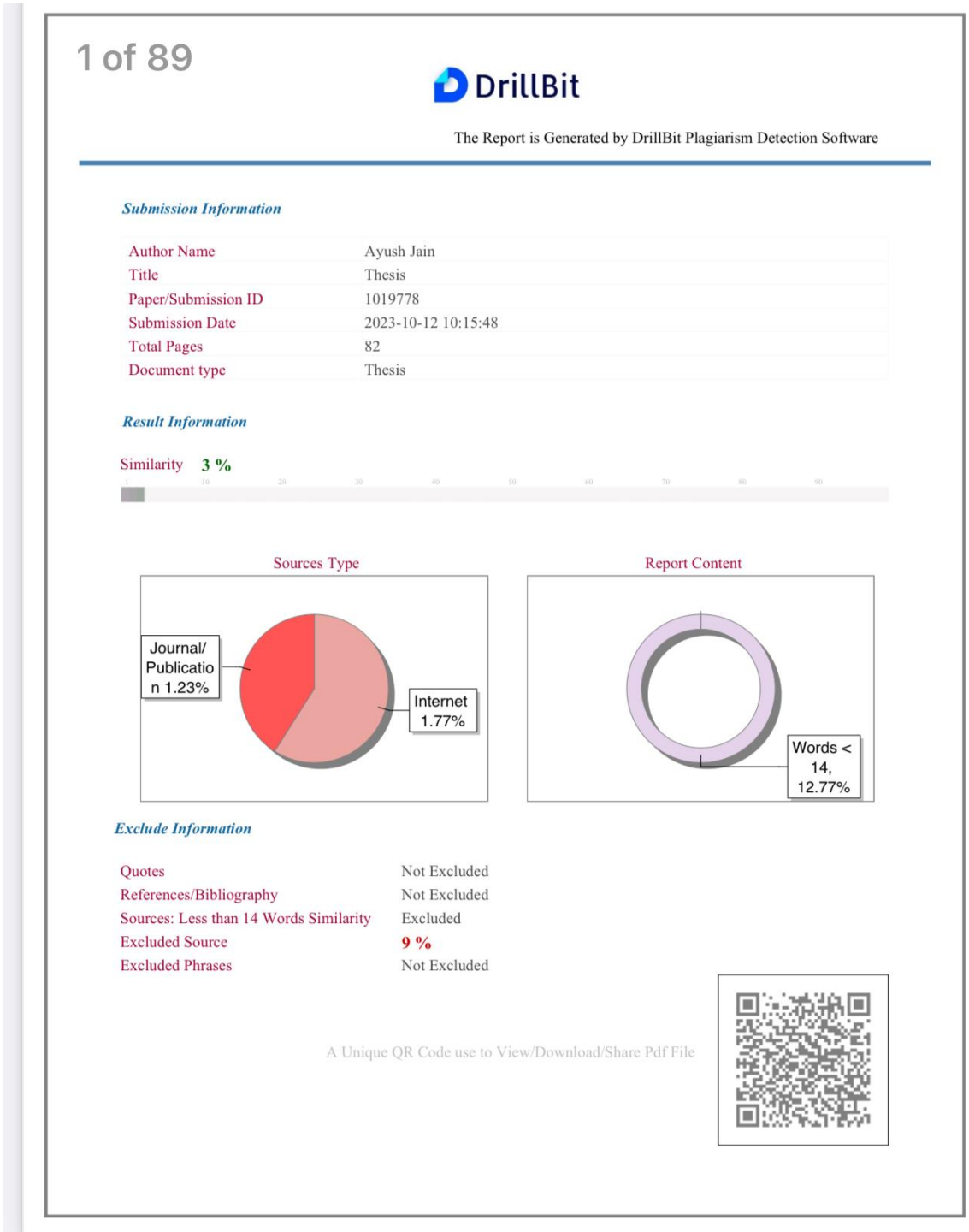

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ACKNOWLEDGEMENT

The journey through this thought-provoking, educative, informative enterprising novel work has enriched me with immense knowledge and experience. As this work is successfully reaching its culmination I look back at the entire work and find it to be supported and blessed by many. It is my sacred duty to pay my debt of gratitude from the depth of my heart to everyone who has been a continuous source of inspiration during the entire course of the study.

I have no words to express my debt to my guide and mentor Dr Abhishek Goyal whose brilliant foresight and practical approach coupled with exhaustive knowledge of the subject matter has been the guiding force behind all my efforts in giving shape to this project. He was always willing to give his precious time to resolve the many queries and doubts that arose during the course of the study. His expertise, patience, and unwavering support have sculpted this thesis and shaped my intellectual growth.

I would also like to express my heartiest gratitude to my co-supervisor Dr Alkesh Kumar Khurana for giving his most valuable time and efforts. It was only due to his sheer knowledge and intelligent guidance that it was possible for this work to see the light of day.

I would also like to thank my co-supervisor Professor Jagat R. Kanwar for his cooperation, suggestions and encouragement right from the very beginning which helped me to complete this work.

I sincerely thank Dr Abhijit Pakhre for his constant support and his help with the statistical work. His expertise is the bedrock upon which the analytical foundation of this thesis stands.

I would also like to thank my seniors Dr P Sai Tej, Dr Gaurav Sahu, Dr Amit Singh, Dr Rajkrishnan, Dr Aqeel Hussain, my Co PG Dr Asha and my juniors Dr Bhupendra, Dr Prakhar, Dr Kirti, Dr Anusha, Dr Abhishek, Dr Hamza, Dr Ravi and Dr Akash for helping me out with valuable advice and for their help in patient recruitment.

This acknowledgement will remain incomplete if I fail to thank our staff Ms Deshanshi, Mr Parvesh, Mr Ravindra, Mr Amit, Mr Ranjeet, Mr Chetan and Ms Arti for their valuable contributions and help with this study. It is no exaggeration to state that without their hard work and unconditional support, this work would not have been possible.

I would also like to thank the staff from the biochemistry lab for their cooperation in the storage and processing of all the samples.

For all that I know they have done for me, and for the many sacrifices they have made that I do not know about, I would like to thank my parents Mr. Sanjay Kumar Jain and Mrs Lavina Jain, my wife Mrs Shweta Jain and my in-laws Mr V. P. Jain and Dr Seema Jain for their constant encouragement in times of doubt and unconditional love.

Finally, I thank the Almighty for giving me the courage to accomplish this work and I pray to "Him" to grant me the serenity to accept the things I cannot change, the courage to change the things I can and the wisdom to know the difference.

Dr Ayush Jain

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LIST OF ABBREVIATIONS

1. OSA: Obstructive Sleep Apnoea
2. PSG: Polysomnography
3. AHI: Apnea-Hypopnea Index
4. SDB: Sleep-Disordered Breathing
5. DNS: Deviated Nasal Septum
6. NREM: Non-rapid Eye Movement
7. REM: Rapid eye movement
8. CO2: Carbon Dioxide
9. BMI: Body Mass Index
10. ESS: Epworth Sleepiness Score
11. STOP-BANG: snoring history, tired during the day, observed apnoeas, high blood pressure, BMI > 35 kg/m^2, age > 50 years, neck circumference > 40 cm and male gender.
12. EEG**:** Electroencephalogram.
13. EOG**:** Electrooculogram.
14. EMG: Electromyogram.
15. ECG**:** Electrocardiogram.
16. HSAT: Home Sleep Apnoea Testing
17. O2: Oxygen
18. CHF: Congestive Heart Failure
19. COPD: Chronic Obstructive Pulmonary Disease.
20. RERA: Respiratory Effort Related Arousals.
21. OCST: Out of Centre Sleep testing.
22. CSA: Central Sleep Apnoea.

23. OHS: Obesity Hypoventilation Syndrome.
24. PaCO2: Partial Pressure of Carbon Dioxide.
25. $HCO3^-$: Bicarbonate
26. AASM: American Academy of Sleep Medicine
27. RV: Right Ventricle
28. CAD: Coronary Artery Disease
29. CPAP: Continuous Positive Airway Pressure.
30. PAP: Positive Airway Pressure
31. APAP: Automatic Positive Airway Pressure
32. Bi-PAP: Bilevel Positive Airway Pressure
33. MAD: Mandibular Advancement Devices.
34. mMRC: Modified Medical Research Council
35. PSQI: Pittsburgh Sleep Quality Index
36. PHQ-9: Patient Health Questionnaire
37. FSS: Fatigue severity scale
38. HbA1c: Glycated Haemoglobin
39. HOMA: Homeostasis Model Assessment
40. HOMA-IR: Homeostatic Model Assessment for Insulin Resistance
41. ABG: Arterial Blood Gas
42. BP: Blood Pressure
43. OGTT: Oral Glucose Tolerance Test
44. 2D-Echo: Two-Dimensional Echocardiography
45. EF: Ejection Fraction
46. SOB: Shortness of Breath
47. JVP: Jugular Venous Pressure

48. AF: Atrial Fibrillation
49. NCEP ATP3: National Cholesterol Education Program-Adult Treatment Panel-III
50. FBS: Fasting Blood Sugar
51. HDL: High-Density Lipoprotein
52. LDL: Low-Density Lipoprotein
53. TG: Triglycerides
54. EDS: Excessive Daytime Sleepiness
55. OAD: Obstructive Airway Disease
56. ESADA: European Sleep Apnoea Database
57. T90: The percentage of cumulative time with oxygen saturation below 90%
58. T95: The percentage of cumulative time with oxygen saturation below 95%
59. T85: The percentage of cumulative time with oxygen saturation below 85%
60. ODI: Oxygen Desaturation Index.
61. RDW: Red Cell Distribution Width
62. SpO2: Saturation of Peripheral Oxygen
63. SAHS: Sleep Apnea/Hypopnea Syndrome
64. SHHS: Sleep Heart Health Study
65. COMISA: Comorbid Insomnia with Sleep Apnea
66. NIV: Non-Invasive Ventilation
67. RCT: Randomized Control Trial
68. OSAS: Obstructive Sleep Apnoea Syndrome
69. SF-36: 36-Item Short Form Survey
70. OR: Odds Ratio
71. SBP: Systolic Blood Pressure

72. DBP: Diastolic Blood Pressure

73. WHO: World Health Organisation

74. T2DM: Type-2 Diabetes Mellitus

75. Hb: Haemoglobin

76. Cox-PH: Cox Proportional-Hazards Model

77. SD Card: Secure Digital Card

78. NFHS-5: National Family Health Survey-5

INTRODUCTION

Obstructive Sleep Apnea (OSA), is a disorder characterized by periodic cessation of the patient's respiration during sleep, causing daytime sleepiness, hypoxia, and cognitive impairment and is a major cause of cardiovascular and metabolic complications if left untreated. The obstruction to inspiratory airflow during sleep may be complete (apnea) or partial (hypopnea). OSA is diagnosed by overnight polysomnography (PSG), which is the investigation of choice for its diagnosis. The severity of the disease is determined by the sum of apneas and hypopneas per hour of sleep, an index known as the Apnea-Hypopnea index (AHI). An AHI of <5 is normal for adults; OSA is classified according to the severity of AHI. AHI between 5-14.9 is Mild OSA, 15-29.9 is moderate OSA and >30 is severe OSA.

The Wisconsin sleep cohort study evaluated the prevalence of sleep-disordered breathing(SDB) in middle age adult population [1]. In the study, 2% of females and 4% of males had AHI≥5 with daytime somnolence. A study done in the Indian population by Reddy et al, estimated the prevalence of OSA in the general population to be 9.3%[2].

The major known risk factors predisposing the patient to developing OSA are obesity and male gender. Other **risk factors include**:

- Neck circumference (≥ 17 inches in males and ≥ 16 inches in females)
- Craniofacial abnormalities (like micrognathia, Mallampatti score III-IV)
- Positive family history of OSA.
- Adenotonsillar hypertrophy (in children).
- Endocrine disorders (e.g., hypothyroidism, acromegaly).
- Menopause.
- Use of alcohol or sedatives.

OSA has both anatomic and neurologic components which contribute to its pathogenesis. The upper airway extends from the posterior border of the nasal septum

to the larynx and is further divided into the following four regions: Nasopharynx, Retropalatal oropharynx, Retroglossal oropharynx and Hypopharynx. The upper airway lacks a cartilaginous framework for its support and thus is prone to collapse due to pressure by surrounding soft tissues, craniofacial structures and negative intraluminal pressure during inspiration. During the awake state, its patency is maintained by the action of pharyngeal dilator muscles.

Persons having increased fat deposition in the upper airway secondary to obesity (macroglossia, increased neck circumference), or craniofacial abnormalities (like micrognathia, retrognathia) are prone to airway collapse and are at high risk for the development of OSA. The upper airway collapse most commonly occurs in the retropalatal and retroglossal regions. Increased nasal resistance like in patients with a deviated nasal septum (DNS) or nasal polyps also contributes by causing a more negative intraluminal pressure. Additionally, increased nasal resistance triggers mouth opening during sleep which causes the tongue to fall backwards and occlude the airway.

The neurologic component of OSA is primarily related to the decreased activity of pharyngeal dilator muscles (Tensor palatine and genioglossus) during sleep. Tonic activity of these muscles decreases in Non-Rapid Eye Movement (NREM) sleep and is further decreased during Rapid Eye Movement (REM) sleep causing airway collapse during sleep in predisposed individuals. Increasing CO2 levels during sleep causes activation of the pharyngeal dilator muscles which maintain the upper airway diameter in the setting of increased negative intraluminal pressure secondary to an increase in diaphragmatic activity. However, in persons with increased sensitivity to CO2 and a low arousal threshold, there are wide fluctuations in upper airway compliance and ventilatory drive leading to upper airway collapse.

Clinical features:

Sleep history should be obtained with assistance from a bed partner(preferably) or a household member. The most common complaints are

- Snoring (most common, but absence does not rule out diagnosis).
- Daytime sleepiness.
- Witnessed apneas.
- Frequent awakenings.
- Insomnia.
- Morning headaches.
- Nocturia.
- Difficulty concentrating and mood disorders.
- Motor vehicle accidents/near accidents.
- Irritability and personality changes
- Sexual disorders (decreased libido and impotence)

Physical examination in patients with OSA should focus on obesity assessment by measuring the Body Mass Index (BMI), neck and waist circumference, blood pressure, craniofacial abnormalities, nasal examination to look for DNS or nasal polyps, and Mallampatti score.

Multiple screening questionnaires have been developed for the assessment of OSA like the Epworth Sleepiness Score (ESS) which measures the degree of sleepiness in common daytime situations and is commonly used as a measure of daytime sleepiness in suspected patients. The scores range from 0-24, with >10 considered abnormal [3]. Another questionnaire known as STOP-BANG was developed by Chung et al, for OSA screening in pre-operative patients [4]. It includes four history-based criteria like snoring,

observed apneas, tiredness, gender and four examination criteria like Body Mass Index (BMI> 35 Kg/m^2), Age>50 years, Neck circumference >40 cm and hypertension. Individuals having higher scores on the STOP-BANG questionnaire have a higher prevalence of OSA. It was validated as a screening tool for the general population by Nagappa et al, they concluded that the questionnaire can be used for OSA screening in the general population along with pre-op patients and the severity of OSA increases with an increase in the scores on the STOP-BANG questionnaire [5].

In-lab Polysomnography (PSG) in the presence of a sleep technician is the gold standard test for the diagnosis of OSA. It measures the following parameters:

1. **EEG** (Electroencephalogram) for sleep stage.
2. **EOG** (Electrooculogram) for eye movements.
3. **EMG** (Electromyogram) for muscle activity.
4. **ECG** (Electrocardiogram) for cardiac activity.
5. Nasal pressure sensors for **airflow**.
6. Abdominal and chest bands for **respiratory effort**.
7. **Oxygen saturation** monitoring.

High costs and limited access to In-lab PSG have popularized out-of-centre sleep testing, also known as unattended or home sleep apnea testing (HSAT). Sleep testing is classified into four types depending on the variables measured.

- **Level I**: EEG, EMG, EOG, ECG, respiratory effort, airflow, and oxygen saturation, measured in a sleep lab with a sleep professional present.
- **Level II**: EEG, ECG, EOG, EMG, O2 saturation, respiratory effort, and airflow are measured without the presence of a sleep technician.

- **Level III**: ECG/Heart rate, O2 saturation, chest and abdominal respiratory movements.
- **Level IV**: Airflow and O2 saturation.

According to the guidelines for unattended home sleep testing, out-of-center testing may be used as an alternative to Level I PSG in patients with a high probability of OSA on the basis of history and examination [6]. It is not recommended in patients with significant co-morbidities like Congestive heart failure (CHF) and Chronic obstructive pulmonary disease (COPD) and in patients suspected of having other sleep disorders like narcolepsy and parasomnias.

Diagnostic Criteria for OSA(according to ICSD3) [7]

(A and B) or C satisfy the criteria

A: The presence of ≥1 of the following clinical features:

1. The patient complains of sleepiness, non-restorative sleep, fatigue, or insomnia symptoms.
2. The patient wakes with a choking sensation or gasping during sleep.
3. The bed partner reports snoring, apneic spells, or both during the patient's sleep.
4. The patient has been diagnosed with hypertension, a mood disorder, cognitive dysfunction, coronary artery disease, stroke, congestive heart failure, atrial fibrillation, or type 2 diabetes mellitus.

B: Polysomnography demonstrates:

Five or more predominantly obstructive respiratory events (obstructive and mixed apneas, hypopneas, or respiratory effort-related arousals [RERAs]) per hour of sleep during a PSG or per hour of monitoring (OCST).

OR

C. PSG demonstrates:

Fifteen or more predominantly obstructive respiratory events (apneas, hypopneas, or RERAs) per hour of sleep during a PSG or per hour of monitoring.

Central sleep apnea: CSA is characterized by episodes of cessation of airflow in the absence of respiratory efforts. It is diagnosed by the presence of central apneas on PSG and is commonly seen in heart failure patients.

Obesity hypoventilation syndrome (OHS): OHS is defined by a BMI>30Kg/m^2 (obesity) and hypoventilation characterized by an increase in daytime pCO2 levels (>45mmHg) or nocturnal hypoventilation with increased serum HCO_3^- (≥27 mmol/L), on arterial blood gas monitoring, provided, alternate causes of hypoventilation have been ruled out.

According to the American Academy of Sleep Medicine (AASM) manual [8],

Apnoea is defined on PSG as

1. A drop in peak thermal sensor excursion by ≥90% of baseline.

2. The duration of the event lasts at least 10 seconds.

Apnoeas are classified as

- **Obstructive** if they are associated with respiratory efforts for the duration of the event,
- **Central** if respiratory efforts are absent during the apneic event and
- **Mixed** if, after the initial absence of respiratory efforts, there is a restoration of respiratory efforts in the later part of the event.

Hypopnoea is defined when all of the following criteria are fulfilled:

1. A drop in nasal pressure signal excursions by ≥30% of baseline.

2. The duration of this drop for a period of at least 10 seconds.

3. The association of this drop with either arousal or a ≥ 3% desaturation from the pre-event baseline.

Respiratory Effort Related Arousal (RERA) is defined on PSG as when there is a sequence of breaths lasting at least 10 seconds characterized by increasing respiratory effort or flattening of the nasal pressure waveform leading to an arousal from sleep and this sequence does not satisfy the criteria for hypopnea or apnea.

OSA is commonly associated with metabolic, cardiovascular and neurological disorders. These multisystem effects are due to multiple pathogenic mechanisms. Increased daytime sleepiness due to fragmented sleep, in patients with OSA leads to decreased attention and fine motor coordination, putting these patients at a higher risk of motor vehicle accidents. OSA is also associated with depressive symptoms like fatigue, irritability and lack of energy.

Arousals following apneas and hypopneas in OSA patients lead to sympathetic overactivity causing transient increases in blood pressure, causing an increased risk of hypertension. Additionally, inspiration against increased airway resistance can cause an increased negative intrathoracic pressure which can cause increased preload and RV (Right Ventricle) filling. In severe cases, increased preload in association with hypoxia-induced pulmonary vasoconstriction can lead to distension of the right ventricle. Consequently, left ventricular filling is compromised, causing Heart Failure.

Periodic fall in oxygen saturation associated with OSA leads to the release of acute phase reactants which result in a proinflammatory and prothrombotic state, predisposing these patients to coronary artery disease (CAD), stroke, and cardiac arrhythmias. The proinflammatory state coupled with increased abdominal fat deposition has led to OSA being an independent risk factor for the development of insulin resistance and metabolic syndrome.

Continuous Positive Airway Pressure (CPAP), is the mainstay of therapy in OSA patients. CPAP delivers continuous airway pressure during both inspiration and expiration. The pressure can be automatically determined by the PAP device (based on detection of apneas, airflow limitation and snoring), known as Auto-PAP (APAP), or it can be preset using a manual CPAP following a titration study. The positive pressure acts as a splint and prevents the collapse of the upper airway. The pressure can be delivered using a variety of interfaces like nasal pillows, nasal masks, oronasal masks etc. The best interface is selected based on the effectiveness and patient comfort during the titration study. In addition to CPAP and APAP, positive airway pressure can also be delivered using bilevel systems (Bi-PAP), which deliver higher pressure during inspiration and lower pressure during expiration. The most common drawback associated with CPAP therapy is low compliance. Adequate compliance is commonly defined as CPAP use of 4 hours per night on 70% of nights.

This study was done to find out long-term complications in patients with moderate-severe OSA and also to find predictors of non-compliance to CPAP.

REVIEW OF LITERATURE

Epidemiology:

The Wisconsin sleep cohort study evaluated the prevalence of sleep-disordered breathing(SDB) in the middle-aged adult population [1]. They analyzed 602 middle-aged (30 to 60 years old) adults, both male and female by overnight Polysomnography (PSG), SDB was defined as an Apnoea-Hypopnoea Index (AHI) ≥5. In their study, 9% of females and 24% of males were found to have SDB, and 2% of females and 4% of males had AHI≥5 with daytime somnolence, which was taken as the minimal diagnostic criteria for daytime sleepiness.

Another study in the middle-aged population by Cunningham J et al estimated the prevalence of OSA in 3,686 volunteers via an overnight two-channel sleep study [9]. The prevalence of moderate to severe OSA as reported by them was 21.2% in males and 10% in females. A systematic review conducted by Senratna CV et al, to determine OSA prevalence in the general population included twenty-four studies in their review [10]. They found that the prevalence of OSA (≥5 AHI) varied from 9% to 38%, which was higher in males. At ≥15 AHI (Moderate OSA) the prevalence varied from 6% to 17%.

To demonstrate the prevalence of OSA in the Indian population, a community-based study was conducted by Reddy et al [2]. They first administered a questionnaire to the middle-aged population (30-65 years) of South Delhi using systematic random sampling. Based on the questionnaire, the volunteers were classified into habitual and non-habitual snorers. Subsequently, all the habitual snorers and randomly selected non-habitual snorers underwent overnight PSG. They found that OSA (AHI ≥5) was present

in 4% of non-habitual and 32.45 of habitual snorers. The estimated prevalence of OSA in the general population based on this analysis was 9.3%.

OSA and breathlessness:

Exertional dyspnea is a common complaint in patients with obstructive sleep apnea. It may be due to an underlying obstructive airway, cardiovascular disease, or obesity which is common in OSA patients. A study conducted by Aihara et al, evaluated dyspnea in OSA patients. They found that mMRC scores were higher in patients with OSA with moderate and severe dyspnea in 46% and 7% of patients respectively [11].

The dyspnea symptoms in patients with OSA improve after treatment with CPAP. In a prospective study, OSA patients were subjected to an incremental exercise test and a constant-load exercise test on separate days. They were then prescribed CPAP and followed up after one and three months. The follow-up analysis revealed an increase in exercise time of 2 minutes after one month and 1.8 minutes after 3 months of CPAP therapy ($p=0.02$ and 0.04 respectively)[12]. Additionally, the participants had a decrease in Borg dyspnea score and leg discomfort score.

OSA and Mortality:

Jennum et al, found that mortality in female patients with OSA was less than that of male patients, and treatment with CPAP was found to improve survival with a hazard ratio of 0.62 ($p<0.001$) [13]. Patients who had dyspnea at baseline or a history of obstructive airway disease had higher mortality as demonstrated by Loachimescu et al [14]. They found that mortality rates in OSA patients with OAD were 52.8% over 10 years of follow-up. Hazard ratios for death in COPD, asthma and OSA were 1.35, 1.27 and 1.18, respectively.

The association between mortality in OSA with snoring was proven in a study by Rich et al. [15] They analysed approximately 77,000 subjects and concluded that loud snoring was associated with an increase in mortality in OSA patients (OR=1.16, p=0.034). Patients with craniofacial abnormalities like Mallampatti grade (III-IV), macroglossia, micrognathia, retrognathia and deviated nasal septum were more predisposed towards loud snoring. A study by Schellenberg et al, found that airway narrowing by pharyngeal walls had highest association with OSA followed by macroglossia [16]. Retrognathia and overjet were not significantly associated with OSA. Nocturia is a common symptom in OSA patients and is directly related to the severity of OSA (p=0.02) [17]. Furthermore, nocturia is significantly associated with mortality as demonstrated by Endeshaw et al (HR=1.21, p=0.05), who found that patients with nocturia had a higher prevalence of diabetes and cardiovascular disorders and symptoms suggestive of insomnia. [18] The presence of cardiovascular comorbidities like hypertension, CAD and stroke was associated with increased mortality in OSA patients. A study by Scrutinio et al analysed 1592 patients with OSA over a mean duration of seven years [19]. They found that age, gender, cardiovascular comorbidities, and COPD were associated with a higher risk of mortality.

A cross-sectional study of the ESADA cohort of patients found that the serum $HCO3^-$ level increased with worsening of the hypoxia parameters like T90, ODI etc. $PaCO_2$ levels also increased significantly with increasing bicarbonate levels (p<0.001) [20]. OSA patients also have an increased red cell distribution width (RDW) which further increases with increasing severity of the disease. A meta-analysis was done on this association by Di Lorenzo et al. [21] They found a significant increase in RDW in OSA patients as compared to non-OSA controls (p<0.001). Oxygen desaturation parameters like mean SpO2, nadir SpO2 and ODI (oxygen desaturation index) can serve as a

marker of OSA severity. A study by Wali et al, also found these parameters to be related to the AHI and increasing severity of OSA ($p<0.001$ in all cases) [22].

A follow-up study comprising 475 patients with Sleep Apnea/Hypopnea Syndrome (SAHS), was done by Marti et al. [23] An AHI≥10 was used as a cut-off for the diagnosis of SAHS. Out of these patients, 98 were not given any treatment, 124 were prescribed CPAP, 88 were treated surgically and 138 patients were managed exclusively with dietary restriction and weight loss. They found that mortality in the treatment group was lower as compared to the untreated group. Furthermore, CPAP caused a 40% decrease in mortality when compared to the untreated group.

Another study which evaluated the impact of CPAP on mortality in OSA patients was done in Denmark [13]. It was found that while treatment with CPAP did not have any significant impact on patients with the age group 20-39 years, in the age group of 40-59 years the mortality in patients receiving CPAP was lower and in patients ≥ 60 years, the difference was even greater with hazard ratios of 0.67 ($p<0.0001$) and 0.62 ($p<0.0001$) respectively.

In a study conducted by Lechat et al, used the Sleep Heart Health Study(SHHS), data to assess the association between comorbid insomnia with sleep apnea (COMISA)[24]. A total of 5236 patients were assessed, and they found a higher prevalence of cardiovascular disease and hypertension in patients with COMISA along with a 47% increase in mortality risk as compared to controls (no OSA/insomnia).

T90 (time spent with arterial oxygen saturation< 90%) is considered a marker of OSA severity. In a retrospective study by Labarca et al, patients were classified into two groups. Group 1: Patients with lowest SpO2 during sleep< 75% and Group 2: Patients with T90 > 20%. It was found that the patients in the latter group had an increased risk

of developing hypertension (OR 2.95, p<0.001), diabetes mellitus (OR 2.14, p<0.001) and mortality (OR=2.70, p=0.0048)[25].

OHS:

Patients having OHS are at a higher risk of mortality than OSA patients without evidence of hypoventilation. In a study between OHS and OSA patients treated with NIV and followed up over a period of 7 ± 4 years, it was found that OHS patients had twice the risk of mortality and 1.86 times increased risk of developing a cardiovascular event.[26]

The prevalence of OHS in adult patients referred for evaluation of sleep-disordered breathing ranges from 8-20% [27]. While in OSA a definite male preponderance is seen, there is no such predilection reported in OHS. One study conducted in Saudi Arabia by BaHammam et al, reported the prevalence of OHS in female vs. male patients as 15.6% and 4.5% respectively (p<0.001) [28]. In the Indian population, the prevalence of OSA was reported as 15.87% by Patro et al, and another study by Goyal et al,estimated the prevalence as 17.8%. [29,30]

An RCT enrolled 35 patients with OHS and randomized them to either the control group (lifestyle modification) or the treatment group (NIV) for one month [31]. It was found that patients in the NIV arm had a significant decrease in PaCO2 levels (difference 3.5mmHg) and AHI as compared to the control group.

CPAP Compliance:

Continuous positive Airway pressure (CPAP) is the treatment of choice for OSA patients. However, its biggest limitation is poor adherence to therapy. Earlier, compliance used to be estimated by self-reporting by the patients. Nowadays, modern

CPAP devices are able to measure the hours of use per night along with the number of obstructive events and mask leaks. The physician can access this download report. Adequate usage is conventionally defined by AASM as CPAP use ≥ 4 hours for at least 70% of the nights.

In a study conducted by Wolkove et al, 80 patients diagnosed with OSA and prescribed CPAP were followed up [32]. CPAP compliance after four years, was found to be 54%. In a study conducted in India involving 412 patients, compliance was reported as 48.2%.[33]

Complications associated with CPAP use:

The CPAP commonly uses a nasal or oronasal interface generally with a humidifier system. Complications associated with CPAP use should be promptly addressed as they can interfere with treatment adherence over time. A study by Pepin et al, evaluated the adverse effects of nasal CPAP in OSAS. [34] They recruited 193 patients with a mean follow-up of 19 months. Side effects were reported in 50% of the patients. Most commonly seen were dry nose/mouth (65%), sneezing and nasal drip (35%) and nasal congestion (25%). No difference was seen in the incidence of adverse effects with regard to the use of a humidifier. Another study by Ulander et al examined 186 patients for adverse effects related to CPAP therapy [35]. They found that dryness of mouth was the most common complication followed by nasal congestion and problems due to mask interface like mask leak and pressure intolerance.

Reasons for non-compliance:

A study by Goyal et al, regarding the barriers to CPAP use in India, divided the patients into buyers and non-buyers. They found that among the non-buyers the most important reason was financial constraints (68%) followed by unwillingness to use CPAP throughout life (28%) and choice of alternative treatment options (24%).[36]

In another study performed in the Indian population, the most important reason for non-compliance for never users was an inability to adapt to CPAP during titration (34.3%), followed by symptomatic improvement by weight reduction (29.9%) and inability to afford the device (15%). In patients who left after initially using, the most important reason was mechanical discomfort (37%), followed by nasal congestion (14.8%).[33]

CPAP Efficacy

Daytime sleepiness:

Excessive daytime sleepiness (EDS), is one of the most common presenting complaints in OSA patients and is amongst the most distressing symptoms, apart from snoring. CPAP therapy has been consistently associated with improvement in EDS scores as demonstrated in a meta-analysis by Iftikhar et al.[37] They compared the efficacy of CPAP, mandibular advancement devices and weight loss and found that CPAP caused the maximum decrease in AHI w.r.t to other treatment modalities and caused an average of 2.43 points decrease in ESS. Another meta-analysis reported a decrease in ESS by 2.94 points ($p<0.001$) [38]. Patients with severe OSA and a mean ESS $\geq$ 11 had a greater decrease in ESS.

Quality of life parameters:

The Pittsburgh sleep quality index (PSQI) was used as a measure of sleep quality with scores > 5 associated with poor sleep quality. In a study to evaluate CPAP effect on the quality of sleep and quality of life parameters, participants filled out a baseline ESS, SF-36 and PSQI and again after 3 months of CPAP. There was a significant decrease in PSQI scores from baseline (-5.5±2.3; p=0.001) [39].

A similar study was conducted by Edwards et al. [40] They evaluated a total of 426 OSA patients for depression by using the PHQ-9 questionnaire. The baseline average was >10 and was related to BMI and AHI, after three months of treatment with CPAP, patients with PHQ-9 scores ≥10, decreased from 74.6% to 3.9% (p<0.001).

In a study by Mafalda van Zeller et al, the impact of auto-PAP on baseline FSS scores were seen. They found a significant decrease in FSS scores from baseline (p=0.004).[41]

Nocturia:

A prospective study was conducted by Vrooman et al, in which OSA patients were evaluated for nocturnal urination frequency with clinically significant nocturia defined as ≥2 episodes per night.[42] At baseline, 73% of patients had clinically significant nocturia. After one year of treatment with CPAP, the number was reduced to 51.5% (p<0.001). There were no statistically significant differences between male and female patients.

Examination parameters:

A meta-analysis conducted by Chen et al, to evaluate the effects of CPAP on weight, body mass index and local adiposity in OSA patients found that CPAP use results in a significant increase in BMI (weighted mean difference, 0.148 Kg/m^2, p=0.010).[43] They

further found that CPAP use of ≤5 hrs/night was associated with a significant increase in BMI while >5hrs/night was not associated with increased BMI.

Co-morbidities in OSA and effect of treatment

Cardiovascular:

OSA is widely recognised as a risk factor for hypertension. A meta-analysis found a significant association between OSA and resistant hypertension with an OR of 2.842 ($p<0.05$). Further, OSA was also associated with essential hypertension with an increase in risk with an increase in the severity of OSA [44]. In the ESADA study, the prevalence of systemic hypertension was greater in patients with OSA than in normal subjects with similar BMI and prevalence increased with increasing BMI.[45] A meta-analysis by Fava et al, to compare the effect of treatment with CPAP in hypertensive patients, found a difference in SBP of 2.6 ± 0.6 mm Hg and DBP of 2.0 ± 0.4 mm Hg which favoured treatment with CPAP ($p<0.001$). [46]

Among other cardiovascular disorders, the ESADA study found an increased prevalence of cardiovascular disease in patients with OSA when compared with non-OSA patients with similar BMI, prevalence in OSA patients increased with increasing severity of the disease [45]. The sleep-heart health study was a cross-sectional study of patients undergoing population-based studies for cardiovascular disorders, these patients were subjected to home-based sleep testing and the median AHI was 4.4 (1.3-11). [47] The association between sleep-disordered breathing and cardiovascular disease was more pronounced for specific conditions like heart failure and stroke compared to coronary heart disease. The relative odds of heart failure, stroke, and coronary heart

disease for individuals in the upper AHI quartile versus the lower quartile were 2.38, 1.58, and 1.27, respectively.

In a long-term follow-up study by Peker et al, patients with OSA were followed up over a period of seven years, they found that 16.2% of OSA patients developed CAD as compared to 5.4% in snorers who did not have OSA (p=0.003). [48] In patients treated with CPAP, CAD was confirmed in 3.9% of patients vs. 24.6% in patients who were untreated or incompletely treated, (p=0.022) which shows that treatment with CPAP reduces the risk of CAD in OSA patients.

An observational study to compare the incidence of fatal cardiovascular events in OSA patients was done by Marin et al. [49] They found that the incidence of fatal cardiovascular events was significantly higher in patients with severe OSA who were not treated with CPAP (1.06 per 100 person-years) as compared to untreated patients with mild-moderate disease (0.55 per 100 person-years, p<0.0001), patients treated with CPAP (0.35 per 100 person-years, p=0.0008) and healthy volunteers (0.3 per 100 person-years p<0.0001).

Insulin resistance:

Abdominal fat deposition is a risk factor for the development of OSA and insulin resistance. Along with abdominal fat deposition, sympathetic overactivity and proinflammatory state also play a role in the development of insulin resistance in OSA patients. A study in which 98 OSA patients were evaluated for insulin resistance was done by Nir Peled et al. [50] They measured fasting insulin levels and used the HOMA-IR model to calculate insulin resistance. They found that fasting insulin levels and insulin resistance both increased with increasing severity of OSA. A study by Archontogeorgis et al, found that insulin resistance is associated with T90(p=0.025) [51].

Another study to assess the effect of CPAP therapy on insulin resistance in OSA patients was performed by Harsch et al [52]. Hyperinsulinemic euglycemic clamp studies were done to determine insulin sensitivity**.** They found that insulin sensitivity significantly increased after 2 days of CPAP therapy with respect to baseline (p=0.003), and was stable after three months of treatment. They further found that change in insulin sensitivity was much greater in patients with BMI< 30Kg/m^2. A similar study in the Indian population was conducted by Baburao et al. [53] They estimated insulin resistance by the HOMA IR model in 30 OSA patients, before and 1 month after treatment with CPAP. They found that CPAP treatment caused a significant decrease in Insulin resistance (5.78 to 4.82, p=0.024).

Depression:

The association between OSA and depression has been proven in multiple studies with possible underlying mechanisms being sleep fragmentation causing microarousals and intermittent hypoxia which is a hallmark of OSA. A systematic review and meta-analysis by Garbarino et al found the prevalence of depression in OSA patients to be 35%. [54] This is significantly higher than the prevalence in the general population which is 3.8% as reported by WHO [55]. In a study by Edwards et al, OSA-suspected patients were evaluated for depression by PHQ-9 questionnaire. They found that PHQ-9 scores were significantly associated with AHI (p<0.0001) with an increase in scores with increasing severity of OSA. Patients diagnosed with OSA were prescribed CPAP and followed up after 3 months, treatment resulted in a decrease in AHI, PHQ-9 scores and the number of patients with PHQ-9>10 (74.6% to 3.9%), p< 0.001 in all the cases [40].

Diabetes Mellitus:

OSA patients have a higher prevalence of T2DM and have a higher risk of developing new-onset T2DM if untreated. In the ESADA study, metabolic co-morbidities were present in 32.9% of the patients (most commonly hyperlipidemia and diabetes). [45] A study by Nagayoshi et al, prospectively analysed patients in the Sleep heart health study and the Atherosclerosis risk in communities study who did not have a history of T2DM. [56] They found that patients with severe OSA were at 2.75 times greater risk of new-onset T2DM than patients without OSA. Effects of CPAP in patients with co-morbid OSA and T2DM are much less clear as studies have yielded conflicting results.

A randomised control trial evaluated 42 patients with T2DM and newly diagnosed OSA with HbA1c and insulin resistance tests which were compared at baseline and after 3 months of treatment with either CPAP or placebo. They did not find any significant difference in glucose control and insulin resistance in both groups [57]. Another RCT with a similar methodology randomised 50 patients to either CPAP or placebo and compared baseline values to repeat values at 3 and 6-month intervals. They found a significant difference in HbA1c and insulin resistance by HOMA-IR between CPAP and placebo groups [58]. A meta-analysis by Zhu et al also did not find any significant improvement in glycaemic control and insulin resistance parameters with CPAP treatment. [59]

Risk of accidents and Morning headaches:

Excessive daytime sleepiness (EDS) causes a decrease in reaction time while driving and is also associated with slower reflexes which in turn leads to an increased risk of accidents in OSA patients. In a study conducted on commercial vehicle drivers in Australia, 24.8% of drivers had excessive sleepiness and 15.8% had OSAS [60]. They also found that the 5% of drivers with the highest scores on the ESS had a higher risk

of accidents (OR= 1.91, p=0.02) and multiple accidents (OR 2.67, p<0.01). A meta-analysis by Tregear et al found a significant risk reduction in the risk of motor vehicle accidents in OSA patients following treatment with CPAP. [61]

In a retrospective analysis by Loh et al, 80 OSA patients were questioned regarding their headache history. [62] They found that 48% of patients reported awakening headaches more commonly seen in severe OSA as compared to mild OSA (p =0.05), which improved with treatment of OSA. Another retrospective analysis by Johnson et al, analysed patients with headaches referred from neurology for the evaluation of OSA.[63] They found that 62% of the patients had OSA. Among the patients with OSA, CPAP treatment resulted in an improvement in headaches in 78% of patients as compared to patients who did not use CPAP (33%) or in whom CPAP was not prescribed (42%), p=0.045. Another study by Seo et al, analysed improvement in morning headaches in OSA patients with CPAP therapy. They found a significant improvement in morning headaches with CPAP (p<0.001).[64]

Insomnia:

OSA patients can also present with the complaint of decreased sleep (insomnia), in place of hypersomnia. This entity of insomnia associated with sleep-disordered breathing (SDB) is also known as COMISA (Co-morbid insomnia and sleep apnea). In a meta-analysis by Zhang et al, it was found that 38% of all OSA patients reported at least some form of insomnia with the prevalence of initiation insomnia, maintenance insomnia and early morning awakenings being 18%, 42% and 21% respectively. [65] In the Indian population, Sharma et al, followed insomnia patients in 2 groups. In their study in the first group, 15.3% of patients had initiation insomnia and 22.7% had maintenance insomnia, while the corresponding numbers in group two were 13.6% and

31.4% respectively. [66] It was also seen that patients with COMISA are more difficult to treat than typical OSA patients. In a retrospective study by Philip et al, it was found that CPAP compliance was negatively related to the insomnia severity index. [67] Regarding the treatment of COMISA an RCT by Sweetman et al, found that initiation of Cognitive behaviour therapy for insomnia before starting with PAP therapy led to a higher acceptance of treatment and improved CPAP compliance. [68]

Polycythemia:

OSA is considered to be a cause of secondary polycythemia with the intermittent episodes of nocturnal hypoxia proposed to be the pathophysiologic mechanism. A meta-analysis conducted by Martelli et al found the prevalence of polycythemia in OSA patients to be associated with OSA severity with 2% of patients in the mild-moderate OSA group and 6.2% of patients in the severe OSA group having polycythemia. [69] On analyzing the effect of CPAP, they found that PAP therapy decreased Hb levels by 3.76 g/L and hematocrit levels by 1.1%.

Dyslipidaemia and Metabolic Syndrome:

Patients with OSA frequently have hyperlipidaemia along with other metabolic and cardiovascular comorbidities. In a meta-analysis by Nadeem et al, it was seen that patients with OSA have an increased prevalence of dyslipidaemia (low HDL and high cholesterol, LDL, TG levels). [70] A meta-analysis to demonstrate the effect of CPAP on dyslipidaemia in OSA found an improvement in the total cholesterol and LDL levels while not producing a major change in TG levels [71]. The high incidence of dyslipidaemia is also a contributing factor in the high prevalence of metabolic syndrome in patients with OSA. A meta-analysis found that the odds ratio for metabolic syndrome in mild OSA and moderate to severe OSA was 2.39 and 3.45 respectively [72].

In the ESADA study, 32.9% of the total patients had some metabolic disorder [45]. An RCT by Gimapa et al found that although a majority of OSA patients with metabolic syndrome benefitted from the use of CPAP, most patients retained the diagnosis.[73]

AIMS AND OBJECTIVES

Aims

To follow up the patients with moderate -severe OSA diagnosed in the Department of Pulmonary Medicine, to assess improvements in sleep quality, compliance to therapy, metabolic, cardiovascular, neurocognitive parameters and quality of life.

Objectives

Primary Objectives:

To follow up the moderate-severe OSA patients diagnosed in the Department of Pulmonary Medicine, AIIMS Bhopal, to evaluate

- Factors associated with mortality in OSA patients.
- Compliance with therapy.

Secondary Objectives:

- Improvement in sleep-related, metabolic, cardiovascular, neurocognitive parameters and quality of life in compliant vs. non-compliant patients and between baseline and follow-up.
- Common complaints of CPAP users and reasons for non-compliance
- Comparison of baseline and follow-up parameters in OHS patients.

MATERIALS AND METHODS

Study setting:

The study was carried out in the Department of Pulmonary Medicine, AIIMS Bhopal

Study Population:

All patients diagnosed with moderate-severe OSA by Level I Polysomnography in the Department of Pulmonary Medicine and advised CPAP were asked to participate in the study after obtaining informed consent.

Study Duration:

The duration of the study was 18 months.

Study Design:

Cross-sectional study.

Inclusion Criteria:

All the patients diagnosed with moderate-severe OSA in the department by Level I Polysomnography and advised positive pressure therapy were included.

Exclusion Criteria:

All patients who could not be contacted telephonically or did not report for follow-up.

Statistical analysis and sample size

Sample Size:

The database for this study comprises individuals with moderate-severe Obstructive Sleep Apnea (OSA) registered at the Institute's Sleep Clinic since 2015. At the initiation of data collection for this study, 672 individuals were registered, out of which 239

patients could not be contacted telephonically, resulting in a final sample size of 433 moderate-severe OSA patients.

Data Analysis Plan:

For the analysis of our data, we employed various statistical methods and strategies:

1. ***Descriptive Statistics:***
    - Categorical variables were summarized using frequency and percentage distributions.
    - Numerical variables were summarized with mean and standard deviation or median and interquartile range, depending on the data distribution.
2. ***Comparison of Nominal Variables:***
    - We utilized the Chi-square test to compare the distribution of nominal variables.
3. ***Comparison of Numerical Variables:***
    - To compare the distribution of numerical variables, we employed the Wilcoxon rank-sum test (Mann-Whitney test).
4. ***Comparison of Changes in Numerical Variables from Baseline:***
    - To assess changes in numerical variables from baseline, we used either the Wilcoxon Signed Rank test or the paired t-test, as appropriate for the data.
5. ***Survival Analysis:***
    - Kaplan-Meir survival analysis was conducted, stratified by various parameters, to examine differences in survival rates.

6. ***Cox Proportional Hazards Model:***

- We performed a Cox proportional hazards model with the following parameters:
    - Dependent variable: Survival status
    - Time variable: Time of follow-up or time of death
    - Independent variables: Gender, central obesity, PaCO2 levels, presence of hypertension (HTN), heart diseases, obstructive diseases, T95 levels, and presence of insomnia.

Analysis plan:

The Department of Pulmonary Medicine maintains a registry of OSA patients who are diagnosed in the sleep lab. All patients fitting into the inclusion criteria were asked to follow up and were invited for this study. All variables were measured by central tendency and dispersion, this was followed by a comparative analysis using parametric and non-parametric test.

Sample size:

All patients diagnosed with moderate-severe OSA by Level I Polysomnography in the Department of Pulmonary Medicine and advised CPAP constituted the sample size.

Study Protocol:

All patients with the diagnosis of moderate-severe OSA were contacted by phone and asked to review to the OPD/department. The baseline investigations and diagnostic tests data i.e., polysomnography and titration study details were retrieved from hospital

records. After obtaining informed consent, a questionnaire was filled out by the investigator which included the following parameters:

- Patient details
- Breathlessness according to the mMRC grading[74]
- If deceased, reason and date of death.
- Assessment of residual sleepiness by ESS- Epworth sleepiness score[3]
- Assessment of sleep quality by the Pittsburgh Sleep Quality Index[75]
- Functional assessment of patients by the Patient Health Questionnaire (PHQ)-9[76]
- Quality of life by the Fatigue severity scale [77].
- Experience of using CPAP by the Sleep Disorder Centre CPAP questionnaire[78].
- Compliance with CPAP therapy (Subjective and objective) by download data from Positive Airway Pressure (PAP) device. Data on subjective compliance was collected by means of the CPAP tracking systems built into the CPAP machines which track adherence, hours of use, mask leak, and residual apnea–hypopnea index (AHI).
- Patients not using PAP: Reasons for non-compliance to PAP were asked.
- Adverse effects/complications associated with CPAP use.
- History of Cardiovascular diseases.
- History of metabolic disorders.
- History of depression.

- History of any malignancy.
- Frequency of nocturia.
- History of hospital admissions due to breathlessness.
- History of motor vehicle accidents/near accidents in the past year and history of early morning headaches in the past month.
- History of insomnia (initiation/maintenance/terminal).

Examination:

Patients were subjected to a basic physical examination to determine the neck, waist and hip circumference , Body mass index and Blood pressure.

Metabolic parameters:

A fasting blood sample was obtained from the patients for the assessment of Haemoglobin, Haematocrit, Fasting blood glucose, Fasting lipid profile, HbA1c and Serum insulin level. The insulin resistance was determined by the Homeostasis Model Assessment(HOMA) using the following formula HOMA= Fasting plasma insulin (mU/mL) X fasting plasma glucose (mg/dL)/ 22.5 [79].

Patients who had Obesity Hypoventilation syndrome at the time of diagnosis had an Arterial blood gas (ABG) analysis in addition to the above-mentioned investigations.

Definitions:

Obesity Hypoventilation syndrome: OHS is defined by a BMI $\geq 30 Kg/m^2$ (obesity) with hypercapnia provided, alternate causes of hypoventilation have been ruled out. Hypercapnia was defined according to the ERS criteria. Either $PaCO_2$ levels

(>45mmHg) or nocturnal hypoventilation (defined by increased CO_2 levels overnight) or with increased serum HCO_3^- (≥27 mmol/L on ABG) [27].

Hypertension: Hypertension was defined as systolic BP ≥ 140 mmHg and/or diastolic BP ≥ 90 mmHg or if the patient is already on treatment for hypertension. [80]

Diabetes mellitus: Diabetes mellitus was defined as fasting plasma glucose ≥ 126 mg/dl or HbA1c ≥ 6.5% or random plasma glucose ≥ 200mg/dl in patients with symptoms of hyperglycemia or if the patient is already taking treatment for diabetes mellitus.[81]

Coronary artery disease: Patients were classified as CAD if they were already diagnosed as having CAD by a medical practitioner based on standard criteria i.e., chest pain with ECG changes, findings suggestive of CAD on exercise testing or 2D-Echo or coronary artery stenosis confirmed by angiography and taking treatment for the same.

Stroke: Patients diagnosed and taking treatment for stroke (ischemic/hemorrhagic) by a medical practitioner.

Congestive heart failure: CHF was defined when patient was already diagnosed and was being treated by a medical practitioner.

Atrial fibrillation/Other Arrhythmias: The patient is diagnosed with AF or other dysrhythmias based on ECG or Holter findings and being treated by a medical practitioner.

Depression: Diagnosis and/or treatment of depression from a licensed psychiatrist.

Metabolic syndrome: Metabolic syndrome was diagnosed in accordance with the NCEP ATP-III 2005 criteria which includes ≥ 3 of the following five criteria. [82]

FBS≥ 100mg/dl or pharmacological treatment for diabetes, HDL levels < 40mg/dl in men or <50mg/dl in women or treatment for low HDL, Triglyceride levels >150mg/dl or treatment for elevated triglycerides, waist circumference ≥ 90 cm in men or 80 cm in women, BP≥ 130/85 mmHg or treatment for hypertension.

Insomnia: Insomnia was defined in accordance with the International Classification of Sleep Disorders. [7] A problem with initiation (sleep onset latency ≥ 30 minutes), maintenance (disruption of sleep ≥ 3 times or morning awakening ≥ 30 minutes before the desired time) and quality of sleep associated with daytime functional impairment (e.g. Fatigue, EDS, memory impairment). The sleep disturbance is present at least thrice weekly for it to be considered significant.

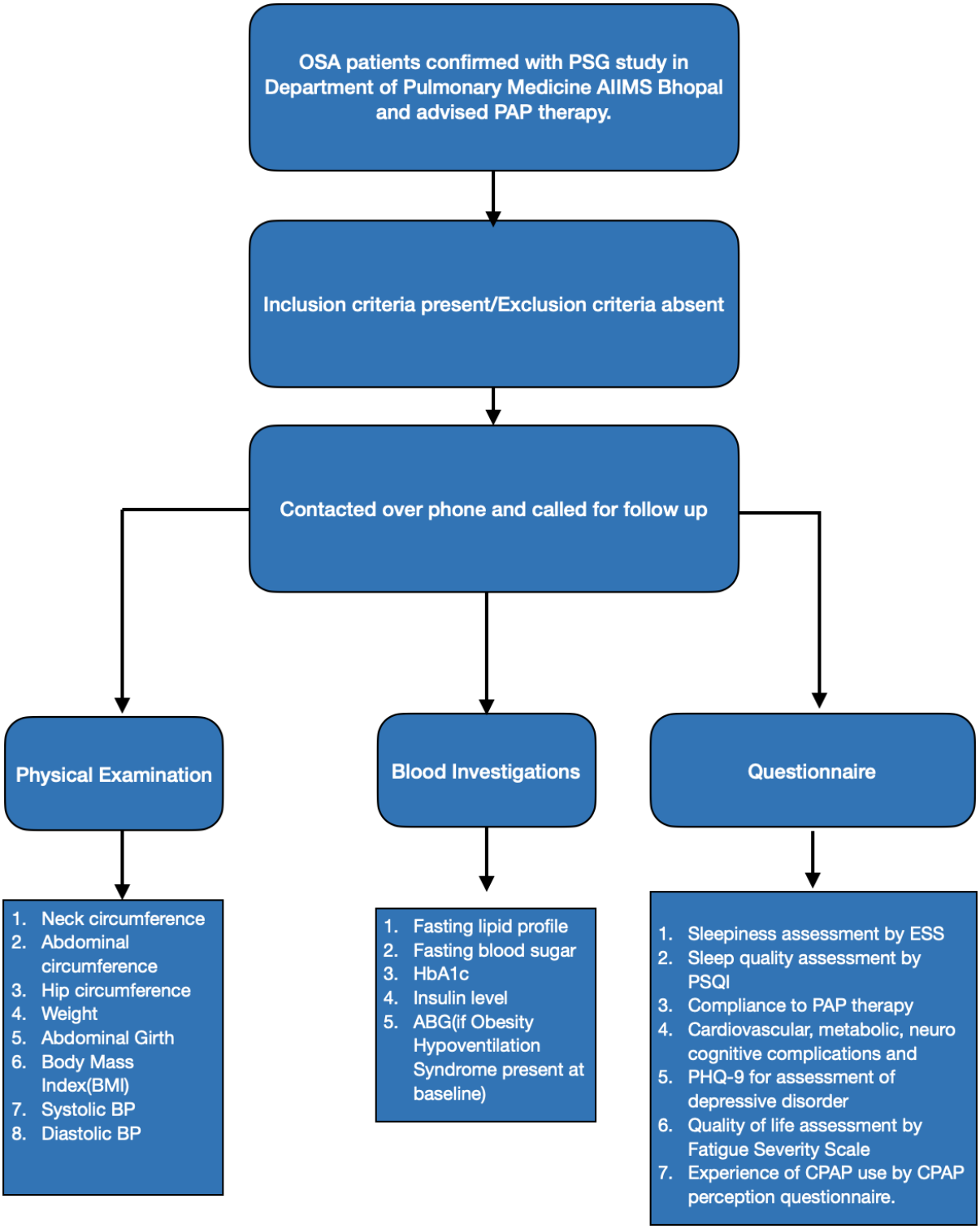
OSA patients confirmed with PSG study in Department of Pulmonary Medicine AIIMS Bhopal and advised PAP therapy.
Inclusion criteria present/Exclusion criteria absent
Contacted over phone and called for follow up
Physical Examination
Blood Investigations
Questionnaire
1. Neck circumference
2. Abdominal circumference
3. Hip circumference
4. Weight
5. Abdominal Girth
6. Body Mass Index(BMI)
7. Systolic BP
8. Diastolic BP
1. Fasting lipid profile
2. Fasting blood sugar
3. HbA1c
4. Insulin level
5. ABG(if Obesity Hypoventilation Syndrome present at baseline)
1. Sleepiness assessment by ESS
2. Sleep quality assessment by PSQI
3. Compliance to PAP therapy
4. Cardiovascular, metabolic, neuro cognitive complications and
5. PHQ-9 for assessment of depressive disorder
6. Quality of life assessment by Fatigue Severity Scale
7. Experience of CPAP use by CPAP perception questionnaire.

Figure 1: Flowchart depicting the study protocol

RESULTS

Ours was an observational study carried out in the Department of Pulmonary Medicine, AIIMS Bhopal from January 2022 to June 2023. A total of 672 patients were eligible for the study, of which 239 could not be contacted. 433 patients were contacted telephonically, out of which 47 had died and 171 patients refused to participate. Follow-up data for 215 patients were collected with an overall median duration of follow-up being 59.5 months and a median duration of follow-up for the patients who died being 29 months.

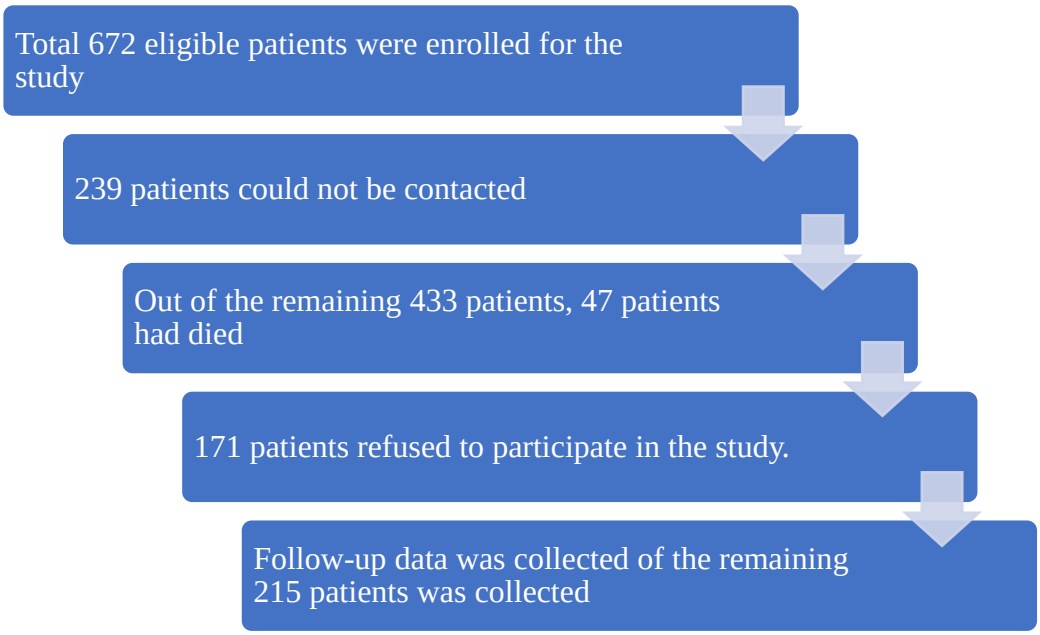
Total 672 eligible patients were enrolled for the study
239 patients could not be contacted
Out of the remaining 433 patients, 47 patients had died
171 patients refused to participate in the study.
Follow-up data was collected of the remaining 215 patients was collected

Figure 2: Flowchart showing how the patients were recruited

TABLE 1: Distribution of baseline history/symptoms across those who survived and died

Characteristic	**N**	**Overall**, N = 433[1]	**no**, N = 386[1]	**yes**, N = 47[1]	**p-value**[2]
Age	433	51.6 (12.4)	50.6 (12.2)	60.0 (10.9)	<0.001
Gender	433				0.035
Female		119 (27.5%)	100 (25.9%)	19 (40.4%)	
Male		314 (72.5%)	286 (74.1%)	28 (59.6%)	
mMRC	118				0.023
Grade I		56 (47.5%)	49 (50.0%)	7 (35.0%)	
Grade II		10 (8.5%)	8 (8.2%)	2 (10.0%)	
Grade III		28 (23.7%)	26 (26.5%)	2 (10.0%)	
Grade IV		24 (20.3%)	15 (15.3%)	9 (45.0%)	
Nap during the day	433	312 (72.1%)	280 (72.5%)	32 (68.1%)	0.521
How long does it usually take to fall asleep at night	433	24.3 (35.0)	23.1 (32.6)	34.9 (49.7)	0.064
How many times patient usually wake up during the night	433	2.5 (2.4)	2.4 (2.5)	2.9 (1.8)	0.016
How many hours does patient thinks they sleep every night	428	6.9 (1.3)	6.9 (1.3)	7.0 (1.7)	0.923
Preferred sleeping position	433				0.602
Supine		115 (26.5%)	103 (26.6%)	12 (25.5%)	
Lateral		300 (69.3%)	265 (68.7%)	35 (74.5%)	
Prone		18 (4.2%)	18 (4.7%)	0 (0.0%)	
Loud snoring	433	393 (90.8%)	356 (92.2%)	37 (78.7%)	0.006
Wake up choking or gasping for air	433	217 (50.1%)	190 (49.2%)	27 (57.4%)	0.287

Characteristic	**N**	**Overall**, N = 433[1]	**no**, N = 386[1]	**yes**, N = 47[1]	**p-value**[2]
Wake up with sore throat or dry mouth	433	304 (70.2%)	266 (68.9%)	38 (80.9%)	0.091
How many times patient gets up for urination at night?	433	2.4 (5.9)	2.3 (6.2)	3.0 (1.8)	<0.001
Smoking history	433				0.131
Ex-smoker		61 (14.1%)	56 (14.5%)	5 (10.6%)	
No		297 (68.6%)	268 (69.4%)	29 (61.7%)	
Current smoker		75 (17.3%)	62 (16.1%)	13 (27.7%)	
Alcohol/ Narcotic drug use	433				0.889
Narcotic drugs		7 (1.6%)	7 (1.8%)	0 (0.0%)	
None		341 (78.7%)	301 (78%)	37 (78.7%)	
Alcohol		88 (20.3%)	78 (20.2%)	10 (21.3%)	
History of Heart diseases	433	62 (14.3%)	49 (12.7%)	13 (27.7%)	0.006
Known Hypertensive	433	235 (54.3%)	197 (51.0%)	38 (80.9%)	<0.001
Hyperlipidemia	433	119 (27.5%)	104 (26.9%)	15 (31.9%)	0.471
Known case of Diabetes Mellitus	433	129 (29.8%)	110 (28.5%)	19 (40.4%)	0.091
Known case of Hypothyroidism	433	95 (21.9%)	86 (22.3%)	9 (19.1%)	0.624
Known case of Obstructive airway disease	433	71 (16.4%)	53 (13.7%)	18 (38.3%)	<0.001
History of depression	433	80 (18.5%)	67 (17.4%)	13 (27.7%)	0.086
Frequent headaches	433	131 (30.3%)	113 (29.3%)	18 (38.3%)	0.204
Memory loss	433	205 (47.3%)	183 (47.4%)	22 (46.8%)	0.938
History of stroke	433	14 (3.2%)	9 (2.3%)	5 (10.6%)	0.012

[1]Mean (SD); n (%)

[2]Wilcoxon rank sum test; Pearson's Chi-squared test; Fisher's exact test

On comparison of the baseline symptoms between the 47 patients who died were significantly older (50.6 years in the survivor group v/s 60 years in the deceased group (p<0.001). The deceased population had more males than females (p=0.035). The presence of SOB at baseline was also a predictor of mortality, with patients having mMRC grade IV breathlessness at baseline being at a significantly higher risk 45% compared to patients with Grade I-III mMRC breathlessness (p= 0.023). Factors associated with deceased group were night-time awakenings (p= 0.016), loud snoring (p= 0.006) and nocturia (p<0.001).

Patients with cardiovascular co-morbidities and hypertension had a significantly higher percentage of death (p-value 0.006 and < 0.001 respectively). History of obstructive airway diseases was also higher in patients who died at 38.3% (p<0.001), along with a history of stroke at 10.6% (p= 0.012).

TABLE 2: Distribution of baseline examination parameters across those who survived and died

Characteristic	**N**	**Overall**, N = 433[1]	**no**, N = 386[1]	**yes**, N = 47[1]	**p-value**[2]
Body Mass Index	433	31.5 (11.6)	31.5 (12.0)	32.0 (7.5)	0.387
Systolic blood pressure	433	133.1 (17.8)	132.7 (17.5)	136.5 (20.4)	0.311
Diastolic blood pressure	433	83.8 (11.3)	83.8 (11.2)	83.6 (12.8)	0.756
Newly diagnosed Hypertension	433	171 (39.5%)	147 (38.1%)	24 (51.1%)	0.086
Awake SpO2	***433***	***94.8 (6.2)***	***95.2 (5.9)***	***91.9 (8.1)***	***<0.001***

Characteristic	**N**	**Overall**, N = 433[1]	**no**, N = 386[1]	**yes**, N = 47[1]	**p-value**[2]
Neck circumference (cm)	433	41.0 (6.7)	41.0 (7.0)	40.6 (3.9)	0.983
Waist circumference (cm)	433	130.1 (47.2)	132.3 (50.3)	111.6 (20.8)	0.090
Hip circumference (cm)	433	108.2 (13.4)	108.5 (12.7)	105.9 (18.0)	0.940
Retrognathia	433	67 (15.5%)	59 (15.3%)	8 (17.0%)	0.756
Micrognathia	433	62 (14.3%)	56 (14.5%)	6 (12.8%)	0.748
Macroglossia	433	335 (77.4%)	292 (75.6%)	43 (91.5%)	0.014
Mallampati class	432				0.483
Class I		32 (7.4%)	28 (7.3%)	4 (8.5%)	
Class II		89 (20.6%)	76 (19.7%)	13 (27.7%)	
Class III		288 (66.7%)	259 (67.3%)	29 (61.7%)	
Class IV		23 (5.3%)	22 (5.7%)	1 (2.1%)	
Fasting blood sugar	357	114.6 (47.6)	111.9 (37.6)	144.2 (104.5)	0.558
$PaCO_2$ level in ABG	***342***	***38.6 (9.7)***	***38.3 (9.7)***	***41.2 (9.6)***	***0.010***
$HCO3^-$ level in ABG	***340***	***23.5 (4.3)***	***23.1 (4.1)***	***26.2 (5.5)***	***<0.001***
Hemoglobin	***390***	***14.0 (6.6)***	***13.9 (5.3)***	***14.4 (13.3)***	***0.007***
Hematocrit	353	42.1 (6.8)	42.3 (6.4)	40.7 (9.7)	0.231
Red cell distribution width	***324***	***15.4 (5.0)***	***15.2 (4.9)***	***16.9 (5.1)***	***<0.001***
Mean corpuscular hemoglobin	***355***	***28.4 (6.5)***	***28.4 (6.1)***	***27.9 (9.1)***	***0.053***
Restless Leg Syndrome	114				0.536

Characteristic	N	**Overall**, N = 433[1]	**no**, N = 386[1]	**yes**, N = 47[1]	**p-value**[2]
Absent		51 (44.7%)	47 (47.0%)	4 (28.6%)	
Present		63 (55.3%)	53 (53.0%)	10 (71.4%)	
Epworth sleepiness score	433	8.4 (5.1)	8.5 (5.1)	7.4 (5.4)	0.172

[1]Mean (SD); n (%)

[2]Wilcoxon rank sum test; Pearson's Chi-squared test; Fisher's exact test

On comparing the baseline examination parameters and laboratory findings in the deceased group vs the survivor group, oxygen saturation at baseline was significantly lower in deceased group (p<0.001). In ABG parameters, $PaCO_2$ and $HCO3^-$ levels were significantly higher in the deceased group (p-value of 0.010 and <0.001 respectively). Haemoglobin levels were significantly higher in the deceased group 14.4± 13.3 vs 13.9±5.3 (p=0.007). Red cell distribution width RDW was significantly higher in the deceased group (p<0.001).

TABLE 3: Distribution of PSG characteristics across those who survived and died

Characteristic	N	**Overall**, N = 433[1]	**no**, N = 386[1]	**yes**, N = 47[1]	**p-value**[2]
Sleep efficiency	**349**	**75.4 (17.0)**	**76.7 (15.9)**	**63.6 (21.8)**	**<0.001**
Sleep onset	348	14.4 (20.3)	14.0 (19.7)	17.8 (25.1)	0.908
REM latency from sleep onset	276	121.4 (95.7)	122.0 (94.9)	116.1 (103.6)	0.420
N1	349	22.4 (17.6)	22.4 (18.0)	22.0 (13.8)	0.570
N2	349	56.1 (19.2)	56.4 (19.0)	52.9 (21.1)	0.398
N3	341	10.4 (13.1)	10.4 (13.2)	10.3 (12.6)	0.934

Characteristic	**N**	**Overall**, N = 433[1]	**no**, N = 386[1]	**yes**, N = 47[1]	**p-value**[2]
REM	335	12.0 (11.7)	11.6 (11.1)	15.1 (15.5)	0.282
Total sleep time in apnea	348	18.9 (25.5)	19.5 (26.1)	12.9 (17.8)	0.258
Total sleep time in hypopnea	349	23.6 (111.8)	23.8 (117.8)	21.6 (14.0)	0.064
Total sleep time in apnea + hypopnea	349	36.4 (24.9)	36.7 (25.5)	34.2 (18.0)	0.913
REM index apnea	329	26.0 (31.7)	26.6 (32.1)	21.2 (27.2)	0.599
REM index hypopnea	329	20.4 (26.6)	18.9 (23.2)	32.4 (45.0)	0.064
REM AHI	336	46.1 (37.5)	45.6 (36.4)	50.4 (46.2)	0.951
NREM AHI	355	61.7 (34.9)	61.5 (34.4)	63.4 (39.5)	0.948
AHI	355	63.2 (33.6)	62.8 (33.2)	67.0 (36.9)	0.617
Sleeping position during PSG	353				0.154
Prone		3 (0.8%)	3 (0.9%)	0 (0.0%)	
Supine		191 (54.1%)	177 (56%)	14 (37.8%)	
Lateral		224 (63.4%)	199 (63.0%)	25 (67.6%)	
Supine AHI	348	74.9 (37.3)	75.6 (36.5)	68.6 (43.8)	0.245
Right AHI	304	57.7 (47.3)	55.7 (39.1)	75.6 (92.7)	0.458
Left AHI	279	50.2 (44.9)	51.2 (45.1)	41.7 (43.1)	0.209
AHI supine REM	252	29.1 (38.5)	28.9 (38.4)	31.0 (40.1)	0.897
Respiratory arousal index	332	31.4 (23.5)	32.1 (24.0)	25.0 (17.8)	0.169
Leg movement arousal index	329	5.1 (4.9)	5.1 (5.0)	5.3 (3.4)	0.192
Snoring arousal index	329	1.1 (2.3)	1.1 (2.3)	1.1 (2.6)	0.477
Spontaneous arousal index	331	7.6 (7.7)	7.4 (7.5)	9.2 (8.8)	0.282
Total arousal index	331	44.9 (24.3)	45.4 (24.5)	40.3 (22.4)	0.250
PLMS index	290	54.9 (58.2)	53.6 (57.2)	64.9 (65.3)	0.424
Mean SpO2	**347**	**94.1 (4.3)**	**94.3 (4.3)**	**92.5 (4.1)**	**<0.001**

Characteristic	**N**	**Overall**, N = 433[1]	**no**, N = 386[1]	**yes**, N = 47[1]	**p-value**[2]
Lowest SpO2	**352**	**78.9 (41.3)**	**79.6 (43.1)**	**73.0 (17.5)**	**0.094**
T95	**344**	**33.4 (31.2)**	**31.1 (30.0)**	**54.2 (35.0)**	**<0.001**
T90	**344**	**13.2 (23.2)**	**12.1 (22.2)**	**22.3 (29.7)**	**0.004**
T85	**332**	**6.7 (16.0)**	**6.7 (16.5)**	**6.8 (12.0)**	**0.022**
Oxygen desaturation index (ODI)	139	50.8 (39.1)	51.8 (40.1)	42.0 (28.4)	0.612
Sleep Hypoventilation	257	53 (20.6%)	44 (19.4%)	9 (30.0%)	0.177

[1]Mean (SD); n (%)

[2]Wilcoxon rank sum test; Fisher's exact test; Pearson's Chi-squared test

Among the baseline PSG characteristics, deceased group had significantly low sleep efficiency (p<0.001), low mean SpO2 during sleep (p<0.001), high T95, T90 and T85 (p-value <0.001, 0.004 and 0.022 respectively).

TABLE 4: Distribution of Titration parameters across those who survived and died

Characteristic	**N**	**Overall**, N = 433[1]	**no**, N = 386[1]	**yes**, N = 47[1]	**p-value**[2]
Titration goal achieved	296				0.405
Adequate		136 (45.9%)	121 (45.1%)	15 (53.6%)	
Good		42 (14.2%)	37 (13.8%)	5 (17.9%)	
Inadequate		3 (1.0%)	3 (1.1%)	0 (0.0%)	
Optimal		103 (34.8%)	97 (36.2%)	6 (21.4%)	
Titration not done		12 (4.1%)	10 (3.7%)	2 (7.1%)	

Characteristic	**N**	**Overall**, N = 433[1]	**no**, N = 386[1]	**yes**, N = 47[1]	**p-value**[2]
Mode advised	293				0.066
CPAP		244 (83.3%)	227 (85.3%)	17 (63%)	
BiPAP		49 (16.7%)	39 (14.7%)	10 (37.0%)	
Pressure advised in case of CPAP	234	11.8 (3.3)	11.8 (3.3)	12.2 (3.1)	0.763
If BiPAP then IPAP	49	20.6 (5.2)	20.1 (5.1)	22.2 (5.8)	0.274
If BiPAP then EPAP	49	13.8 (4.4)	13.8 (4.2)	13.8 (5.7)	0.871
Position therapy recommended	**295**	**122 (41.4%)**	**105 (39.2%)**	**17 (63.0%)**	**0.017**
Reasons for position therapy	120				0.218
Preferably sleep in lateral position		85 (70.8%)	69 (67%)	16 (94.1%)	
Did not settle in supine due to severe disease		15 (12.5%)	15 (14.6%)	0 (0.0%)	
Others Complex sleep apnea		4 (3.3%)	4 (3.9%)	0 (0.0%)	
Supine REM not achieved		16 (13.3%)	15 (14.6%)	1 (5.9%)	
Supplemental O2 required	295	6 (2.0%)	4 (1.5%)	2 (7.4%)	0.096
Type of mask	**290**				**<0.001**
Full face		**77 (26.6%)**	**61 (23.2%)**	**16 (59.2%)**	
Nasal		**212 (73.1%)**	**201 (76.4%)**	**11 (40.7%)**	
Nasal pillow		1 (0.3%)	1 (0.4%)	0 (0.0%)	

[1]n (%); Mean (SD)

[2]Fisher's exact test; Wilcoxon rank sum test; Pearson's Chi-squared test

Position therapy was advised to 63% of patients in the deceased group (p= 0.017) and 59.2% of deceased patients were advised full face mask as compared to 23.2% of patients in the survivor group (p<0.001).

TABLE 5: PAP therapy compliance across those who survived and died

Characteristic	**N**	**Overall**, N = 433[1]	**no**, N = 386[1]	**yes**, N = 47[1]	**p-value**[2]
Follow-up patients using CPAP	251	108	90	18	0.361

[1]n (%)

[2]Pearson's Chi-squared test; Fisher's exact test

There was no significant difference in CPAP use between the deceased and survivor groups. Although we could not assess adequacy of compliance in patients who died due to logistic reasons. We further analysed various follow-up parameters between patients who were using CPAP and those who were non-compliant to PAP therapy. The CPAP compliance in our study came out to be 43% with adequate compliance among users being 54%.

Table 6: Distribution of follow-up parameters across those who were compliant and non-compliant to CPAP

Characteristic	**N**	**Overall**, N = 252[1]	**no**, N = 144[1]	**yes**, N = 108[1]	**p-value**[2]
Weight	**218**	**81.7 (18.4)**	**77.9 (19.4)**	**87.0 (15.7)**	**<0.001**
Systolic Blood Pressure	252	109.1 (47.1)	111.4 (45.0)	106.1 (49.8)	0.806
Diastolic Blood Pressure	216	81.9 (11.4)	82.6 (11.9)	80.9 (10.7)	0.246
Neck (in cm)	**215**	**39.2 (3.8)**	**38.5 (3.6)**	**40.3 (3.7)**	**<0.001**
Waist (in cm)	**216**	**106.3 (14.3)**	**104.0 (14.7)**	**109.5 (13.3)**	**0.005**
Hip (in cm)	**215**	**106.6 (11.4)**	**104.3 (10.4)**	**109.8 (12.1)**	**0.002**

Characteristic	**N**	**Overall**, N = 252[1]	**no**, N = 144[1]	**yes**, N = 108[1]	**p-value**[2]
Body Mass Index	**216**	**30.8 (10.2)**	**29.3 (5.9)**	**33.0 (14.0)**	**0.005**
Hb	209	13.8 (1.5)	13.8 (1.5)	13.9 (1.5)	0.926
Hematocrit	209	40.9 (3.9)	40.8 (3.9)	41.1 (3.9)	0.926
Cholesterol	208	168.6 (39.8)	168.4 (39.9)	168.9 (40.0)	0.969
Triglyceride	199	147.7 (83.1)	147.6 (93.7)	147.8 (66.0)	0.250
HDL	208	42.0 (9.6)	41.6 (9.5)	42.5 (9.9)	0.649
LDL	198	99.3 (32.5)	100.7 (32.1)	97.3 (33.2)	0.488
VLDL	198	28.8 (13.6)	28.3 (13.9)	29.5 (13.3)	0.237
FBS	211	113.0 (39.1)	109.9 (32.8)	117.3 (46.3)	0.556
HbA1c	**210**	**6.6 (1.4)**	**6.5 (1.4)**	**6.8 (1.6)**	**0.053**
Insulin level	**204**	**18.3 (17.2)**	**16.6 (17.7)**	**20.8 (16.3)**	**0.002**
Insulin Resistance (HOMA-IR > 2.5)	**203**				**0.025**
Normal		**53 (26.1%)**	**38 (31.9%)**	**15 (17.9%)**	
Resistant		**150 (73.9%)**	**81 (68.1%)**	**69 (82.1%)**	
Metabolic score	208				0.973
0		5 (2.4%)	4 (3.3%)	1 (1.2%)	
1		15 (7.2%)	9 (7.4%)	6 (7.0%)	
2		45 (21.6%)	26 (21.3%)	19 (22.1%)	
3		57 (27.4%)	32 (26.2%)	25 (29.1%)	
4		73 (35.1%)	43 (35.2%)	30 (34.9%)	
5		13 (6.2%)	8 (6.6%)	5 (5.8%)	
Metabolic syndrome	209	143 (68.4%)	83 (67.5%)	60 (69.8%)	0.726
Malignancy	217	1 (0.5%)	0 (0.0%)	1 (1.1%)	0.419
Insomnia	216				0.918
Initiation insomnia		19 (8.8%)	12 (9.5%)	7 (7.8%)	
Maintenance insomnia		3 (1.4%)	2 (1.6%)	1 (1.1%)	
No insomnia		194 (89.8%)	112 (88.9%)	82 (91.1%)	

Characteristic	N	**Overall**, N = 252[1]	**no**, N = 144[1]	**yes**, N = 108[1]	**p-value**[2]
Improvement in near accidents since baseline	**69**	**25 (36.2%)**	**7 (16.3%)**	**18 (69.2%)**	**<0.001**
Improvement in accidents since baseline	**45**	**9 (20.0%)**	**1 (3.4%)**	**8 (50.0%)**	**<0.001**
Improvement in early morning headache	**81**	**34 (42.0%)**	**3 (7.1%)**	**31 (79.5%)**	**<0.001**
ESS	**216**	**7.6 (5.3)**	**8.9 (5.5)**	**5.9 (4.6)**	**<0.001**
PSQI	216	5.9 (3.6)	6.3 (3.9)	5.4 (3.1)	0.233
PHQ-9 score	215	5.9 (6.0)	6.6 (6.5)	5.0 (5.1)	0.129
FSS score	215	28.2 (18.0)	29.5 (18.6)	26.5 (17.1)	0.315
CPAP perception score	97	13.5 (8.7)	19.1 (13.6)	13.0 (8.0)	0.102
ESS >10 (Excessive daytime sleepiness)	**216**				**0.002**
Present		**57 (26.4%)**	**43 (34.1%)**	**14 (15.6%)**	
Absent		**159 (73.6%)**	**83 (65.9%)**	**76 (84.4%)**	
PSQI > 5	216				0.109
Good Sleep		123 (56.9%)	66 (52.4%)	57 (63.3%)	
Poor Sleep		93 (43.1%)	60 (47.6%)	33 (36.7%)	
FSS ≥ 36	215				0.318
Fatigue		71 (33.0%)	45 (35.7%)	26 (29.2%)	
No Fatigue		144 (67.0%)	81 (64.3%)	63 (70.8%)	
PHQ9 ≥ 10	215				0.105
Depressed		48 (22.3%)	33 (26.2%)	15 (16.9%)	
Normal		167 (77.7%)	93 (73.8%)	74 (83.1%)	

[1]Mean (SD); n (%)

[2]Wilcoxon rank sum test; Fisher's exact test; Pearson's Chi-squared test

Patients using CPAP had a significantly higher weight than the non-users; 87±15.7 kg vs 77.9±19.4 kg ($p<0.001$). A similar trend was observed in neck circumference, waist and hip circumference and body mass index, all these parameters being significantly higher in patients using CPAP. There was no significant difference seen in laboratory parameters and metabolic scores except in cases of insulin level which was also

significantly higher in the patients using CPAP (p=0.002). Insulin resistance was seen more in patients using CPAP compared to non-users (p=0.025).

There were significant improvements in the neurocognitive functions and daytime sleepiness of the CPAP group with there being a significant decrease in the number of road traffic accidents, near accidents, morning headaches and Epworth sleepiness scores as compared to non-users (p<0.001 in all the cases). Excessive daytime sleepiness (EDS), (defined by an ESS>10), was significantly decreased in CPAP users v/s non-users (p=0.002). There were no differences seen in fatigue severity and depressive symptoms.

Table 7: Distribution of follow-up parameters across those who were adequately compliant

Characteristic	**N**	**Overall**, N = 79[1]	**no**, N = 36[1]	**yes**, N = 43[1]	**p-value**[2]
ESS (follow up)	**79**	**6.1 (4.6)**	**7.6 (5.2)**	**4.8 (3.7)**	**0.012**
PSQI (follow up)	**79**	**5.2 (3.3)**	**6.2 (3.5)**	**4.5 (2.8)**	**0.022**
PHQ-9 (follow up)	78	4.8 (4.9)	5.2 (5.6)	4.4 (4.3)	0.606
FSS (follow up)	78	25.2 (15.9)	27.1 (17.6)	23.7 (14.4)	0.501
CPAP perception score (follow up)	74	13.6 (8.2)	15.8 (8.9)	11.9 (7.3)	0.068

[1]Mean (SD); n (%)

[2]Wilcoxon rank sum test; Wilcoxon rank sum exact test; Fisher's exact test; Pearson's Chi-squared test

Sleep quality was measured by PSQI. Patients who were adequately compliant with CPAP therapy (defined as usage ≥4 hours on at least 70% of nights), had significantly improved sleep quality with an average score of 4.5 (<5 denotes good sleep quality), with a p-value=0.022 as compared to users who were not adequately compliant.

Table 8: Complaints of CPAP users

Characteristic	N = 108[1]
COMMON COMPLAINTS OF CPAP	
Dry mouth	45 (62.5%)
Mask leak	39 (54.2%)
Nasal discomfort	18 (25%)
Nasal bruise	11 (15.3%)
Pressure intolerance	10 (13.9%)
Red eyes	10 (13.9%)
Claustrophobia	8 (11.1%)
Facial rash	7 (9.7%)
H/O pneumonia in last one year	3 (4.2%)
Unknown	36

[1]n (%)

In patients adherent to CPAP, the most common complaints were Dry mouth (62.5%), followed by mask leak (54.2%), nasal discomfort (25%) and nasal bruising (15.3%). Complaints like intolerance to pressure, red eyes, claustrophobia and facial rash were seen less commonly.

Table 9: Reasons for not using CPAP

Characteristic	N = 144[1]
Reasons for not using CPAP	
Cannot use throughout life	64 (54.2%)
I don’t think disease is significant	56 (47.4%)
Want alternate treatment options	53 (44.9%)
Not right choice for my life style	53 (44.9%)

Characteristic	**N = 144**[1]
Uncomfortable with pressure or mask	46 (39.0%)
Finance	45 (38.1%)
Not found effect with treatment	31 (26.3%)
Lazy to use CPAP	17 (14.4%)
Ashamed to use CPAP	12 (10.2%)
Bed partner doesn't like CPAP	12 (10.2%)
Unknown	26
WHAT IS THE MOST IMPORTANT REASON	
Finance	**35 (30%)**
I don't think disease is significant	20 (17%)
Cannot use throughout life	20 (17%)
Ashamed to use CPAP	1 (0.8%)
Uncomfortable with pressure or mask	18 (15%)
Not right choice for my life style	11 (9.3%)
Want alternate treatment options	9 (7.6%)
Not found effect with treatment	3 (2.5%)
Lazy to use CPAP	1 (0.8%)
Unknown	26

[1]n (%)

The patients who were not using CPAP therapy were asked the reasons for their non-compliance. The most common reasons were problems with the daily use of the device for a lifetime (54.2%) followed by misconceptions regarding the significance of the disease (47.4%), seeking alternative treatment options (44.9%) and lifestyle problems like frequent travelling, shift work etc (44.9%). However, when the patients were asked to pinpoint the most significant reason for not using CPAP, the majority of people told that their inability to afford the device was the main reason (30%), followed by problems with the duration of therapy (17%) and not understanding the significance of the disease (17%).

Table 10: Paired analysis of baseline and Follow-Up (FU) parameters

Characteristic	**Base**, N = 218[1]	**FU**, N = 218[1]	**p-value**[2]
MMRC			0.148
0	92 (42.8%)	78 (36.3%)	
1	45 (20.9%)	46 (21.4%)	
2	40 (18.6%)	41 (19.1%)	
3	24 (11.2%)	41 (19.1%)	
4	14 (6.5%)	9 (4.2%)	
Nocturnal urination frequency	**2.0 (1.8)**	**1.3 (1.3)**	**<0.001**
Systolic blood pressure	**133.1 (16.1)**	**127.3 (16.3)**	**<0.001**
Diastolic blood pressure	**84.3 (10.0)**	**81.9 (11.4)**	**0.006**
ESS	**9.0 (5.2)**	**7.6 (5.4)**	**0.001**
Weight	**83.3 (18.2)**	**81.7 (18.5)**	**0.039**
$PaCO_2$ on ABG	**39.7 (9.3)**	**33.5 (4.6)**	**<0.001**
$HCO3^-$ on ABG	**25.5 (7.0)**	**21.7 (2.6)**	**0.013**
FBS	110.0 (32.3)	113.9 (41.0)	0.195
Hemoglobin	14.2 (6.7)	13.8 (1.5)	0.466
Hematocrit	**42.4 (6.1)**	**40.7 (4.0)**	**<0.001**
Cholesterol	**178.6 (39.6)**	**169.2 (40.3)**	**0.001**
Triglyceride	148.4 (73.2)	147.3 (83.0)	0.841
HDL	41.6 (9.8)	42.2 (9.5)	0.423
VLDL	29.1 (14.4)	28.6 (13.4)	0.694
LDL	**108.2 (39.0)**	**99.9 (33.2)**	**0.003**

[1]n (%); Mean (SD)

[2]random intercept logistic regression; Paired t-test

Paired analysis was done for baseline values and follow-up values for all the patients who presented for follow-up. There was a significant decrease in the nocturnal urination frequency during follow-up {p-value<0.001 (2.0±1.3 at baseline vs 1.3±1.3 at follow-up visit)}. There was also a significant decrease in systolic and diastolic blood pressure (p-values <0.001 and 0.006 respectively), sleepiness {Epworth sleepiness score (9±5.2 at baseline vs 7.6±5.4 at follow-up), p<0.001} and weight p=0.039. Among the ABG parameters, there was a significant decrease in the $PaCO_2$ levels (from 39.7±3 to 33.5±4.6; p<0.001) and $HCO3^-$ levels from 25.5±7.0 to 21.7±2.6; p=0.013). There was a significant decrease in the haematocrit, cholesterol and LDL levels (p<0.001,<0.001 and 0.003 respectively).

No significant differences were seen in fasting blood, sugar, mMRC grade, haemoglobin, triglycerides and other parameters of lipid profile.

Table 11: Cox-PH survival analysis

Dependent: Survival		All	HR (univariable)	HR (multivariable)
Age	**Mean (SD)**	**51.6 (12.4)**	**1.09 (1.06-1.13, p<0.001)**	**1.09 (1.05-1.14, p<0.001)**
Gender	female	119 (27.4)	-	-
	male	315 (72.6)	0.42 (0.22-0.80, p=0.008)	0.80 (0.31-2.02, p=0.630)
Central obesity	no	35 (8.1)	-	-
	yes	399 (91.9)	0.83 (0.26-2.71, p=0.760)	0.32 (0.07-1.48, p=0.145)
Paco2 on ABG	Mean (SD)	38.6 (9.7)	1.02 (1.00-1.05, p=0.041)	0.99 (0.95-1.04, p=0.673)
Hypertension	no	263 (60.6)	-	-
	yes	171 (39.4)	1.99 (1.03-3.84, p=0.039)	0.90 (0.39-2.10, p=0.806)
Heart disease	no	372 (85.7)	-	-
	yes	62 (14.3)	2.20 (1.04-4.67, p=0.040)	0.72 (0.23-2.27, p=0.580)
Obstructive airway disease	**no**	**363 (83.6)**	**-**	**-**
	yes	**71 (16.4)**	**4.64 (2.42-8.88, p<0.001)**	**2.60 (1.09-6.19, p=0.031)**
T95	**Mean (SD)**	**33.5 (31.2)**	**1.02 (1.01-1.03, p<0.001)**	**1.02 (1.01-1.04, p=0.002)**
Insomnia	no	186 (42.9)	-	-
	yes	248 (57.1)	2.75 (1.29-5.82, p=0.008)	1.02 (0.40-2.61, p=0.972)

We performed Cox proportional hazards model, where the dependent variable was survival status and time of follow up/death was a time variable. Independent variables

included gender, central obesity, $PaCO_2$ levels, presence of HTN, heart diseases, obstructive airway diseases, T95 and presence of insomnia.

Univariable analysis revealed that age had a significant and consistent impact on Mortality, with a 9% higher hazard for each one-year increase (HR = 1.09, 95% CI: 1.06-1.13, $p < 0.001$). Gender displayed a significant difference in Mortality, with males having a lower hazard compared to females (HR = 0.42, 95% CI: 0.22-0.80, p = 0.008), although this gender effect diminished when adjusting for other factors (HR = 0.80, 95% CI: 0.31-2.02, p = 0.630). Central obesity did not show a significant association in either analysis. $PaCO_2$ on ABG exhibited marginal significance in the univariable model (HR = 1.02, 95% CI: 1.00-1.05, p = 0.041) but lost its significance in the multivariable model (HR = 0.99, 95% CI: 0.95-1.04, p = 0.673). Hypertension was a significant risk factor in the univariable analysis (HR = 1.99, 95% CI: 1.03-3.84, p = 0.039) but became non-significant in the multivariable model (HR = 0.90, 95% CI: 0.39-2.10, p = 0.806). Heart disease was significant in the univariable model (HR = 2.20, 95% CI: 1.04-4.67, p = 0.040) but lost significance in the multivariable model (HR = 0.72, 95% CI: 0.23-2.27, p = 0.580). Obstructive airway disease remained a highly significant risk factor for Mortality in both analyses (univariable HR = 4.64, 95% CI: 2.42-8.88, $p < 0.001$; multivariable HR = 2.60, 95% CI: 1.09-6.19, p = 0.031). T95 values showed a consistent and significant impact on Mortality, with a 2% higher hazard for each unit increase (univariable HR = 1.02, 95% CI: 1.01-1.03, $p < 0.001$; multivariable HR = 1.02, 95% CI: 1.01-1.04, p = 0.002). Insomnia was significant in the univariable analysis (HR = 2.75, 95% CI: 1.29-5.82, p = 0.008) but not in the multivariable model (HR = 1.02, 95% CI: 0.40-2.61, p = 0.972).

Thus, age, obstructive airway disease, and T95 values were found to be independent risk factors for Mortality, while other factors did not independently predict Mortality when adjusting for each other.

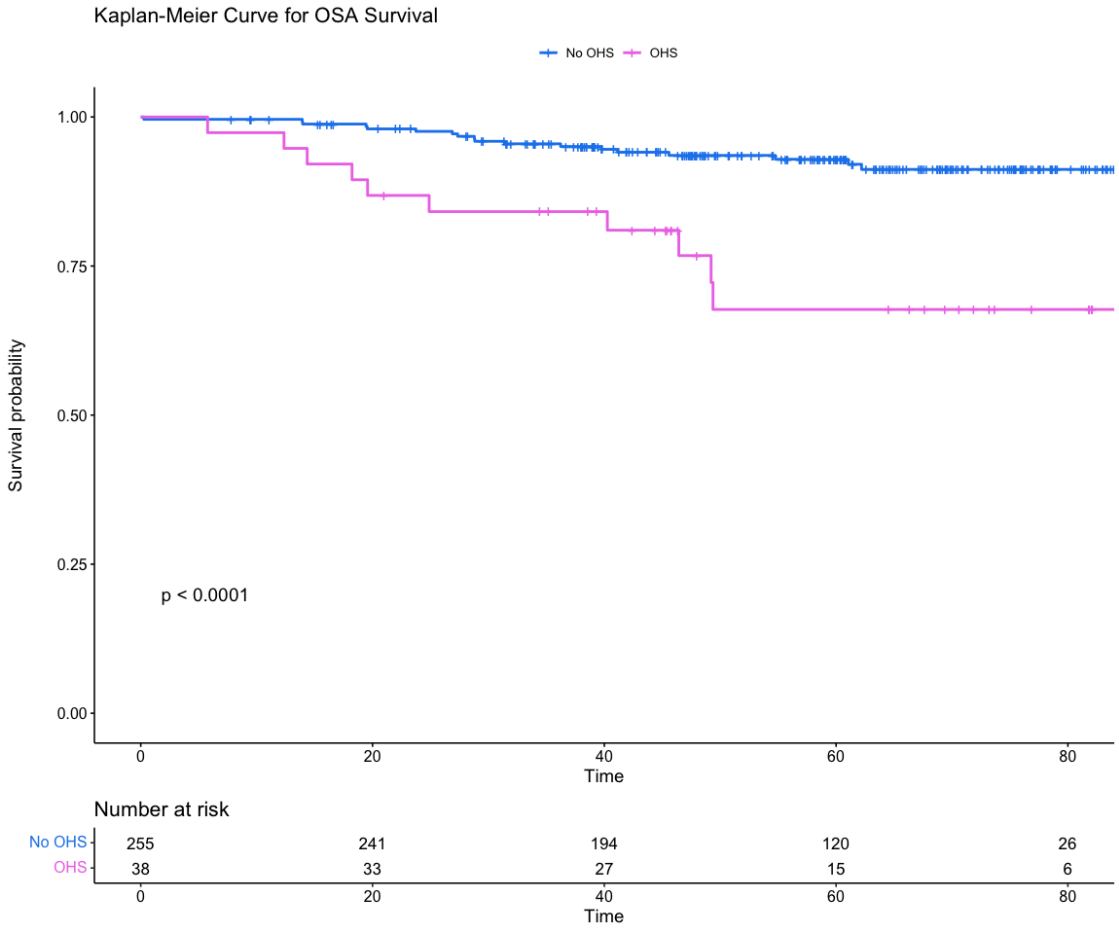

Figure 3: Kaplan-Meier survival analysis showing significantly reduced survival in patients with OHS as compared to OSA

In a Kaplan-Meier survival analysis in OSA patients with OHS as compared to those without OHS, patients with OHS had a significantly decreased survival probability over time ($p<0.0001$).

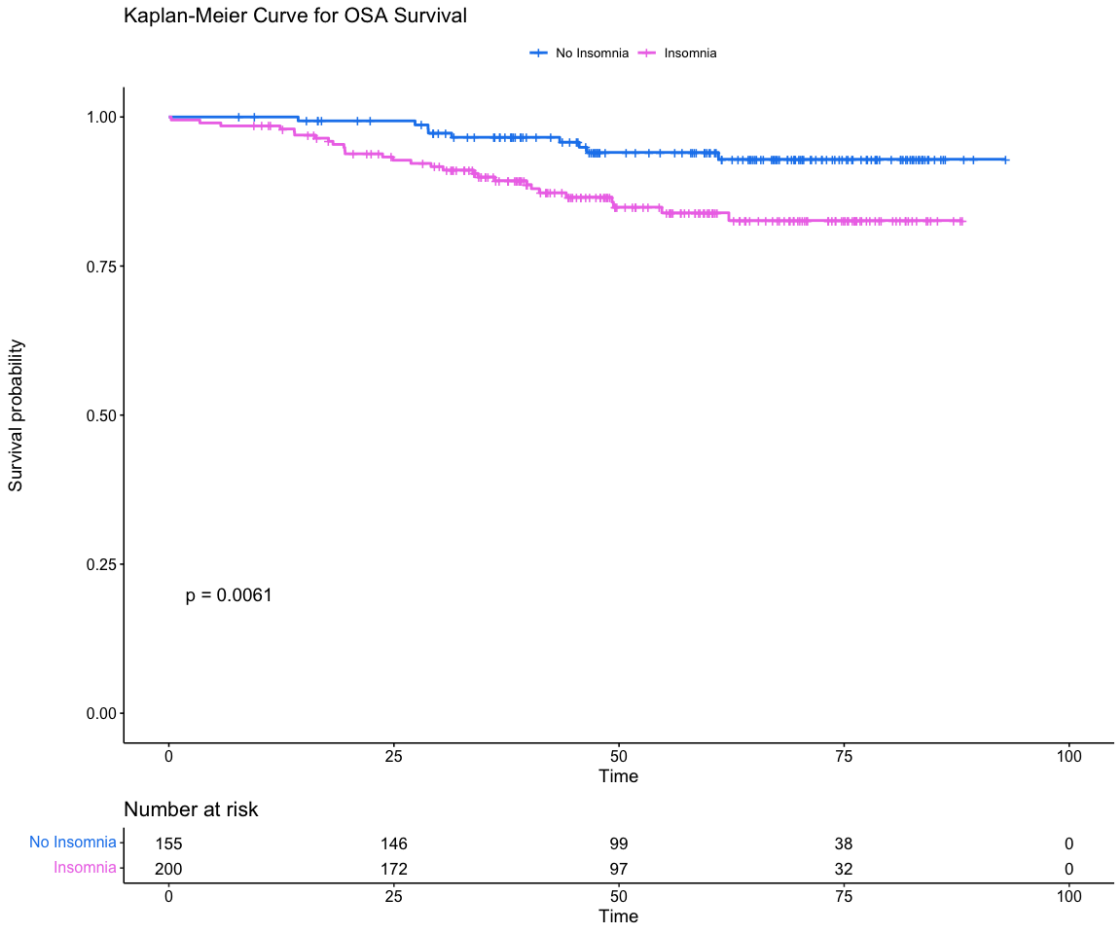

Figure 4: Kaplan-Meier survival analysis showing significantly reduced survival in patients with COMISA as compared to OSA patients without insomnia.

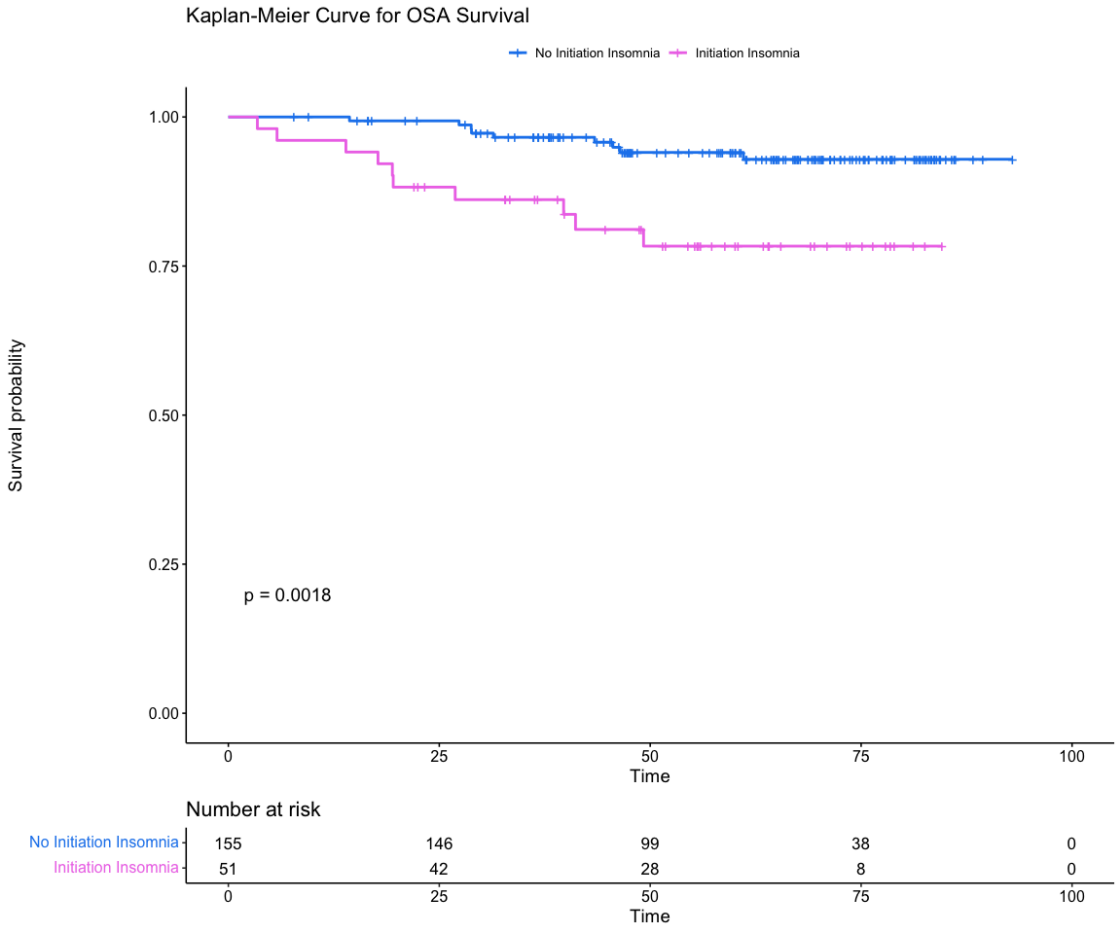

Figure 5: Kaplan-Meier survival analysis showing significantly reduced survival in patients with Initiation insomnia as compared to OSA patients without insomnia.

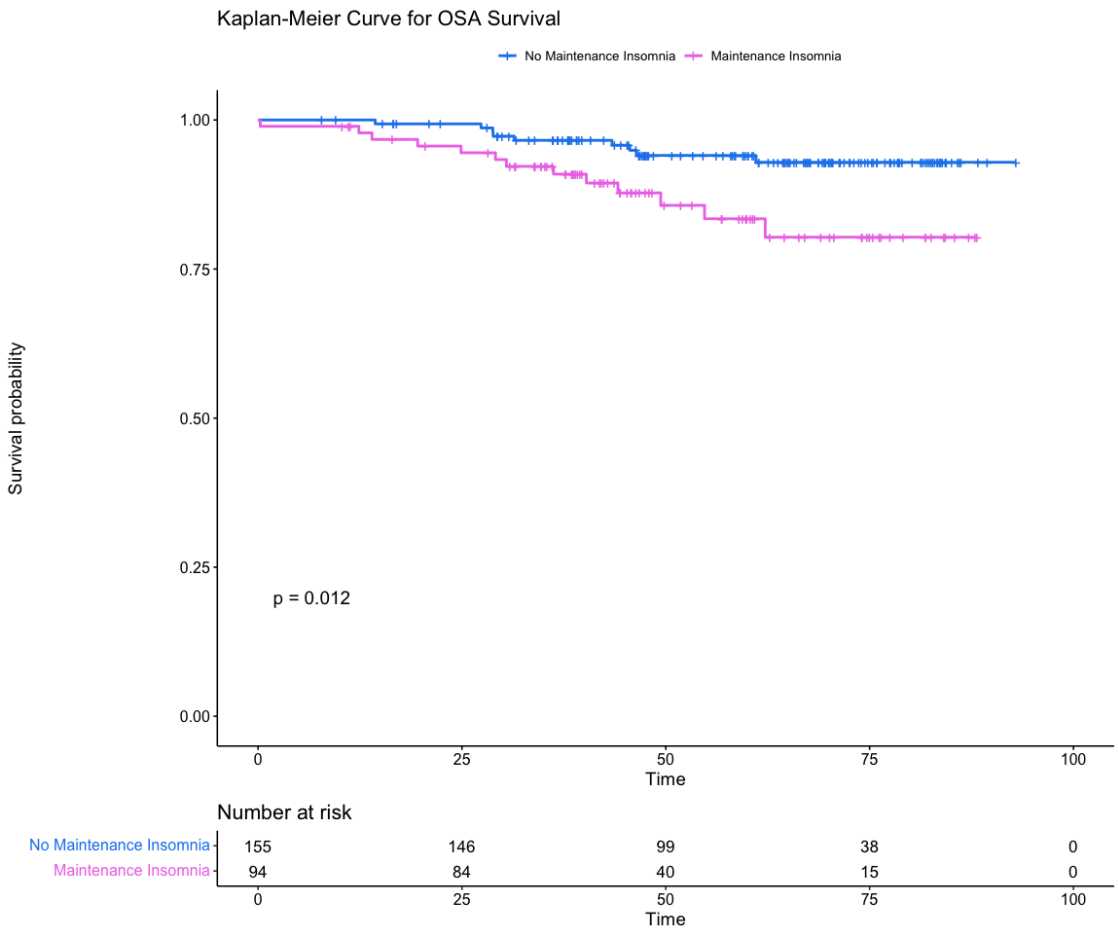

Figure 6: Kaplan-Meier survival analysis showing significantly reduced survival in patients with Maintenance insomnia as compared to OSA patients without insomnia.

Patients with OSA who had insomnia had poor survival over time vs. patients without insomnia (p=0.006); the difference was significant even when initiation and maintenance insomnia were plotted separately with p-values 0.0018 and 0.012, respectively.

Table 12: Follow-up parameters in OHS patients

Characteristic	**OHS, N = 34**[1]
Baseline OHS present in follow up	34 (13%)
Unknown	172
Baseline OHS grading	
I	19 (58%)
II	1 (3.0%)
III	1 (3.0%)
IV	12 (36%)
Unknown	401

[1]n (%)

Characteristic	**Base**, N = 8[1]	**FU**, N = 8[1]	**p-value**[2]
Systolic BP	140.6 (22.7)	129.9 (19.2)	0.425
Diastolic BP	82.2 (7.0)	85.0 (9.9)	0.455
Epworth Sleepiness Score	**10.5 (6.1)**	**3.2 (3.3)**	**0.010**
Weight	**106.2 (23.3)**	**102.4 (23.0)**	**0.012**
$PaCO_2$	**51.4 (9.5)**	**36.1 (5.4)**	**0.004**
$HCO3^-$	**33.5 (8.5)**	**23.3 (3.3)**	**0.036**
Fasting Blood Sugar	116.9 (35.0)	110.0 (20.8)	0.618
Hemoglobin	12.7 (1.5)	13.5 (1.3)	0.154
HCT	40.4 (5.3)	39.8 (2.5)	0.638
Cholesterol	157.1 (25.5)	170.6 (26.6)	0.396
TG	158.4 (40.0)	165.8 (83.5)	0.747
HDL	42.0 (9.5)	48.2 (11.1)	0.038
VLDL	31.2 (7.9)	33.2 (16.7)	0.681
LDL	78.8 (38.0)	89.2 (18.3)	0.558

[1]n (%); Mean (SD)

[2]random intercept logistic regression; Paired t-test

On comparing the OHS patient's baseline and follow-up parameters, among the examination parameters, there were significant improvements in weight (p=0.012) and excessive daytime sleepiness determined by the Epworth sleepiness score (p=0.010). Among the lab parameters, significant differences were seen in PaCO2, HCO_3^- and HDL levels compared to baseline.

Table 13: Comparison between Insulin Resistant and Insulin sensitive patients

Characteristic	**Overall**, N = 203[1]	**Normal**, N = 53[1]	**Resistant**, N = 150[1]	**p-value**[2]
Age	50.2 (11.9)	49.7 (13.5)	50.4 (11.3)	0.992
Gender				0.254
Female	46 (22.7%)	15 (28.3%)	31 (20.7%)	
Male	157 (77.3%)	38 (71.7%)	119 (79.3%)	
BMI	**31.3 (15.6)**	**26.2 (5.8)**	**33.1 (17.4)**	**<0.001**
T90	**13.2 (23.2)**	**8.1 (19.1)**	**15.0 (24.3)**	**0.002**
Patients using CPAP (follow up)	**84 (41.4%)**	**15 (28.3%)**	**69 (46.0%)**	**0.025**
Waist circumference on follow up	**106.2 (14.6)**	**93.8 (11.9)**	**110.6 (12.8)**	**<0.001**

[1]Mean (SD); n (%)

[2]Wilcoxon rank sum test; Pearson's Chi-squared test

Patients with Insulin resistance (determined by HOMA-IR) were compared with insulin-sensitive patients to determine the parameters in OSA patients that are associated with insulin resistance in OSA patients. There was a significant association with BMI, patients in the resistant group had significantly higher BMI (p<0.001), higher T90 on baseline PSG (p=0.002), and higher waist circumference (110±12.8 cm

v/s 93.8±11.9 cm, p<0.001). Surprisingly, patients compliant with CPAP therapy had a higher percentage of insulin resistance as compared to non-compliant patients (p=0.025).

Table 14: Mortality rate comparison

Characteristic	**no**, N = 386[1]	**95% CI**[2]	**yes**, N = 47[1]	**95% CI**[2]
Age_60				
<60	286 (94%)	91%, 96%	18 (5.9%)	3.6%, 9.4%
>=60	100 (78%)	69%, 84%	29 (22%)	16%, 31%

[1]n (%)

[2]CI = Confidence Interval

```
# A tibble: 2 × 2
  Age_60 Person_Time
  <chr>       <dbl>
1 <60         1182.
2 >=60         420.
```

The Death rate in patients < 60 years age

```
        est    lower    upper
ncas 15.22843 9.025331 24.06748
```

The death rate in patients >60 years age

```
        est    lower   upper
ncas 69.04762 46.24227 99.1639
```

We tried to estimate the mortality rate in OSA individuals. The overall mortality rate in our study was 15.22 per thousand years in <60 years and 69.04 per thousand years in ≥ 60 years of age.

Table 15: Comparison of the baseline and follow-up characteristics between CPAP users and non-users

	CPAP Users					Non-users				
Characteristic	**base**, N = 91[1]	**fu**, N = 91[1]	**Difference**[2]	**95% CI**[23]	**p-value**[2]	**base**, N = 127[1]	**fu**, N = 127[1]	**Difference**[2]	**95% CI**[23]	**p-value**[2]
mMRC	**1.4 (1.3)**	**1.4 (1.2)**	**-0.03**	**-0.19, 0.13**	**0.683**	**1.0 (1.2)**	**1.3 (1.3)**	**-0.25**	**-0.41, -0.09**	**0.002**
Nocturnal urination frequency	**2.3 (2.2)**	**1.2 (1.4)**	**1.1**	**0.76, 1.5**	**<0.001**	**1.7 (1.4)**	**1.4 (1.2)**	**0.28**	**0.10, 0.46**	**0.002**
Systolic BP	**132.2 (15.2)**	**127.3 (16.0)**	**4.9**	**0.78, 9.1**	**0.020**	**133.7 (16.8)**	**127.4 (16.6)**	**6.3**	**3.0, 9.6**	**<0.001**
Diastolic BP	83.8 (8.2)	80.9 (10.7)	2.9	0.51, 5.3	0.018	84.6 (11.1)	82.7 (11.9)	2.0	-0.35, 4.3	0.095
ESS	9.6 (5.2)	5.9 (4.6)	3.7	2.3, 5.1	<0.001	8.6 (5.1)	8.9 (5.5)	-0.31	-1.2, 0.62	0.511
Weight	87.6 (16.5)	87.0 (15.7)	0.51	-0.91, 1.9	0.476	80.3 (18.8)	77.9 (19.4)	2.4	-0.04, 4.9	0.053
$PaCO_2$	41.6 (10.7)	33.3 (5.3)	8.3	3.7, 13	0.001	35.8 (3.3)	34.0 (2.6)	1.8	-0.98, 4.6	0.168
$HCO3^-$	27.1 (8.0)	21.4 (3.1)	5.7	1.6, 9.8	0.009	22.2 (1.5)	22.2 (1.2)	-0.05	-2.2, 2.1	0.957
FBS	112.1 (28.3)	118.6 (47.7)	-6.5	-16, 3.1	0.183	108.3 (35.1)	110.3 (34.7)	-2.0	-9.8, 5.8	0.609
Hb	13.9 (3.2)	13.9 (1.4)	0.01	-0.71, 0.74	0.969	14.4 (8.4)	13.8 (1.6)	0.61	-0.99, 2.2	0.452
HCT	**42.8 (6.3)**	**41.0 (3.8)**	**1.8**	**0.35, 3.3**	**0.016**	**42.1 (5.9)**	**40.5 (4.1)**	**1.6**	**0.53, 2.6**	**0.003**

Characteristic	CPAP Users					Non-users				
	base, N = 91[1]	**fu**, N = 91[1]	**Difference**[2]	**95% CI**[23]	**p-value**[2]	**base**, N = 127[1]	**fu**, N = 127[1]	**Difference**[2]	**95% CI**[23]	**p-value**[2]
Cholesterol	**175.0 (42.8)**	**168.9 (40.6)**	**6.1**	**-1.3, 14**	**0.105**	**181.2 (37.0)**	**169.4 (40.2)**	**12**	**3.5, 20**	**0.006**
TG	147.1 (74.1)	148.1 (65.9)	-0.95	-14, 12	0.887	149.4 (72.8)	146.6 (94.6)	2.8	-15, 21	0.755
HDL	42.0 (9.6)	42.5 (9.8)	-0.47	-2.6, 1.7	0.666	41.3 (10.1)	41.9 (9.3)	-0.69	-2.7, 1.3	0.499
VLDL	29.4 (14.8)	29.5 (13.6)	-0.12	-3.1, 2.8	0.935	28.8 (14.2)	28.0 (13.2)	0.82	-2.2, 3.8	0.587
LDL	**105.2 (40.4)**	**97.6 (33.5)**	**7.6**	**-0.24, 15**	**0.057**	**110.5 (37.9)**	**101.7 (33.0)**	**8.8**	**1.3, 16**	**0.022**

[1]Mean (SD)

[2]Paired t-test

[3]CI = Confidence Interval

On comparing the baseline and follow-up characteristics for CPAP users and non-users significant differences were seen in the frequency of nocturnal urination and Epworth sleepiness scores.

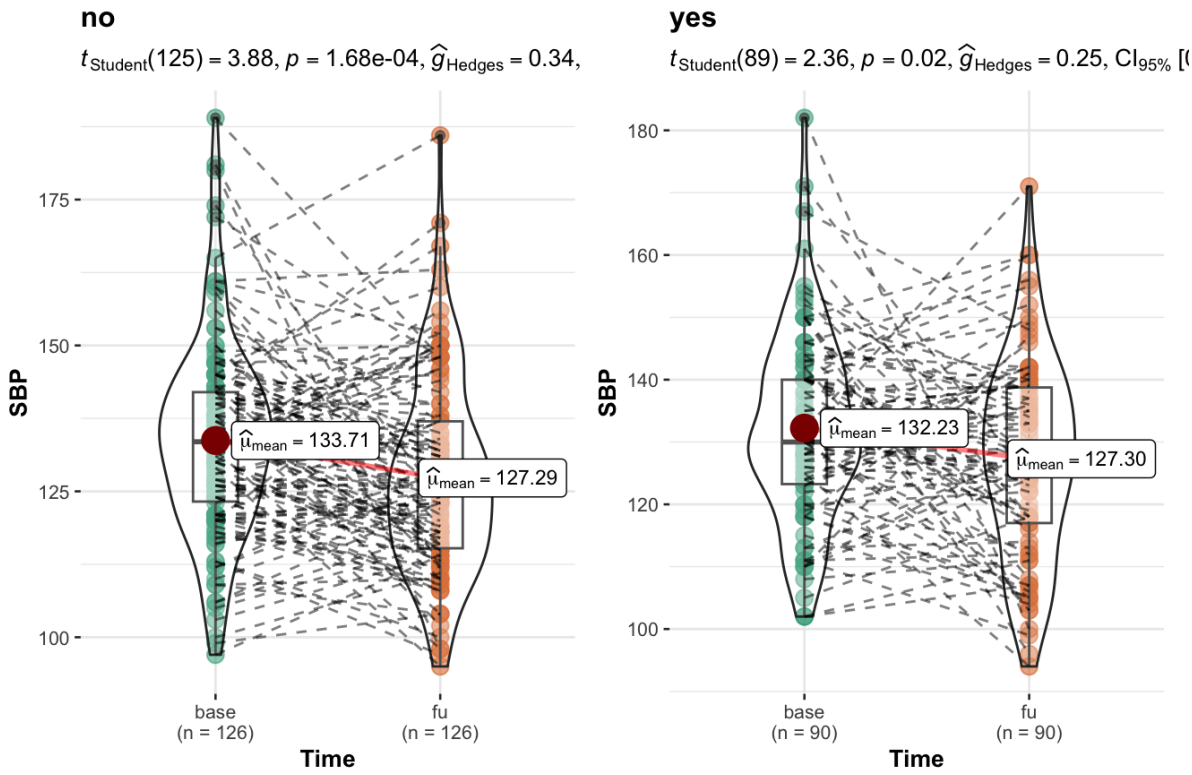

Figure 7: Box-Violin Jitter plot showing a significant decrease in Systolic blood pressure in both CPAP users and non-users

The above figure depicts a box-violin jitter plot showing the comparison of Systolic BP values in CPAP users and non-CPAP users on baseline v/s follow-up. There is a decrease in the follow-up values as compared to the baseline in both CPAP users (baseline mean 132.23 mmHg v/s 127.30 mm Hg at follow-up, p =0.02) and non-CPAP users (baseline mean 133.71 mmHg v/s 127.29 mm Hg at follow-up, p =0.0002).

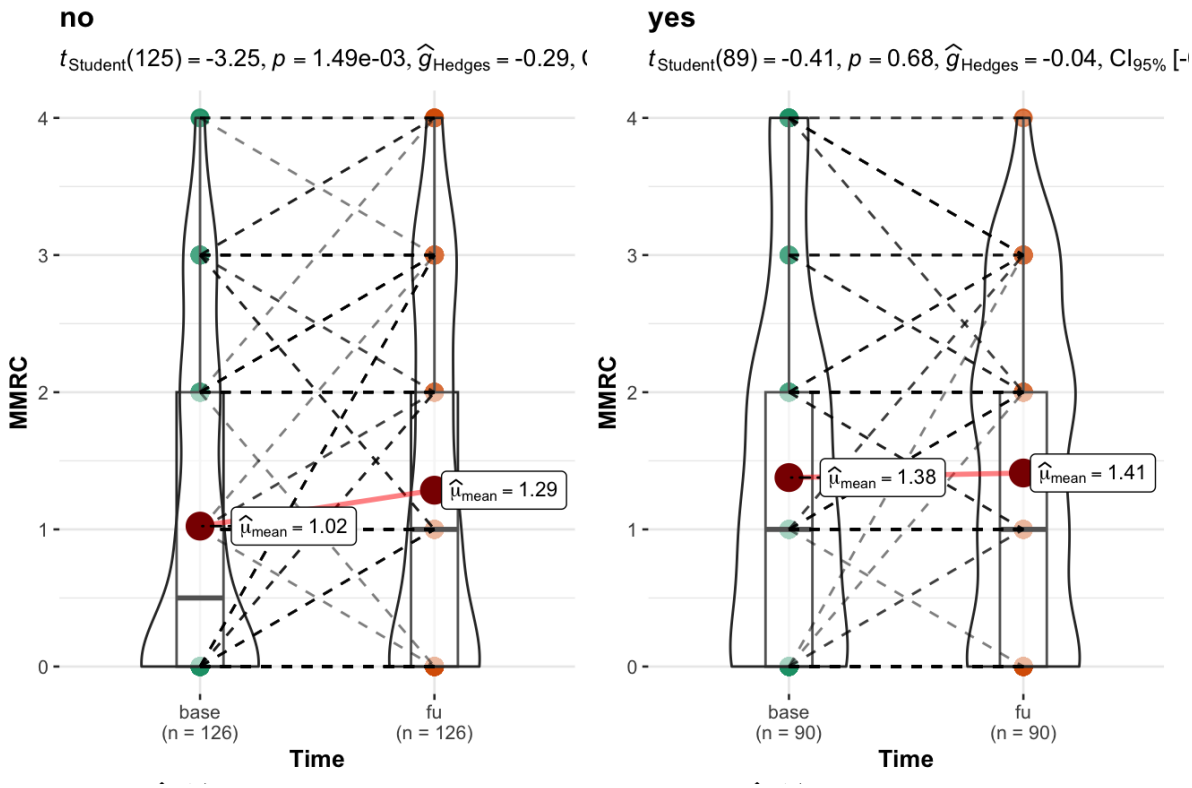

Figure 8: Box-Violin Jitter plot showing a significant increase in mMRC grade in non-CPAP-users

The above figure shows a box-violin jitter plot comparing the mMRC grade of CPAP users and non-CPAP users at baseline v/s follow-up. There is an increase in dyspnoea on follow-up visits as compared to baseline, which is depicted by increased mMRC grading. In OSA patients using CPAP, there is an increase in mMRC grading, however, it is not statistically significant (baseline mean 1.38 v/s 1.41 at follow-up, p =0.68). In the non-CPAP user group, the increase was statistically significant (baseline mean 1.02 v/s 1.29 at follow-up, p =0.001)

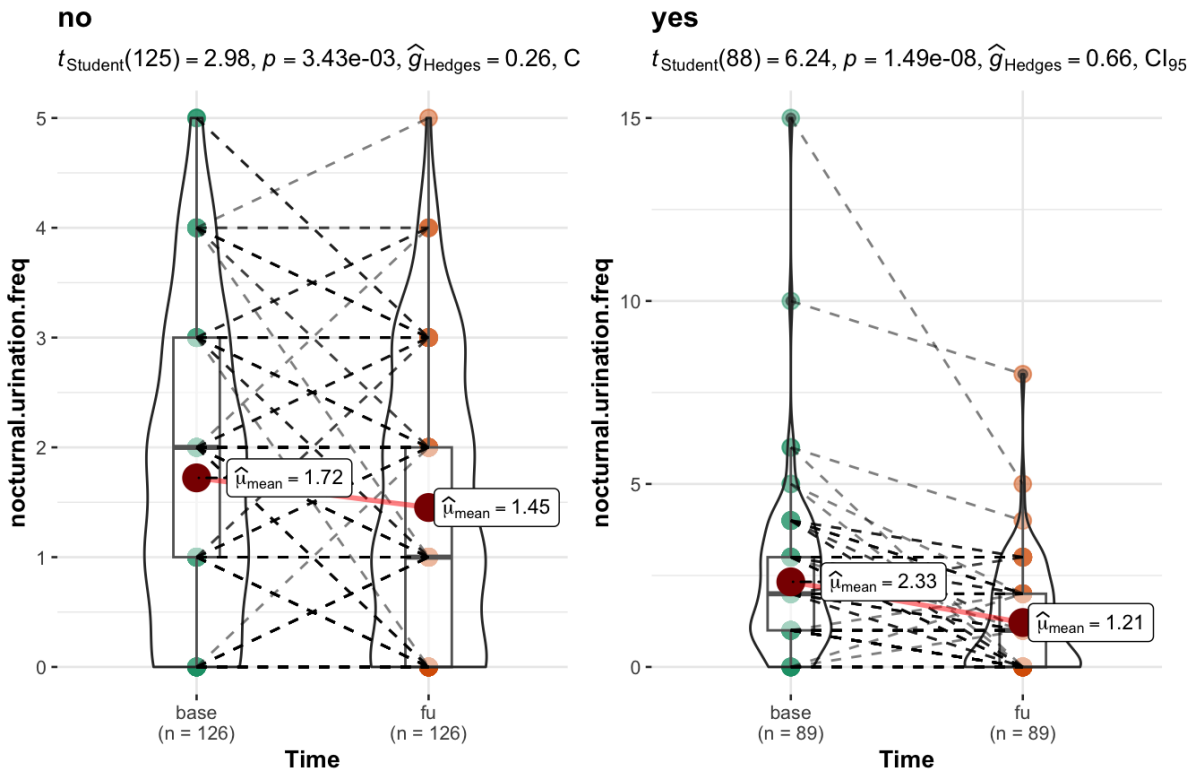

Figure 9: Box-Violin Jitter plot showing a significant decrease in frequency of nocturnal urination in CPAP users as compared to non-users.

The above figure is a box-violin jitter plot comparing the frequency of nocturia at baseline v/s follow-up in CPAP users and non-CPAP users. While a decrease was observed in both groups, the decrease was much more significant in the patients using CPAP.

Non-CPAP users (baseline mean 1.72 v/s 1.45 at follow-up, p =0.003) v/s CPAP users (baseline mean 2.33 v/s 1.21 at follow-up, p <0.0001).

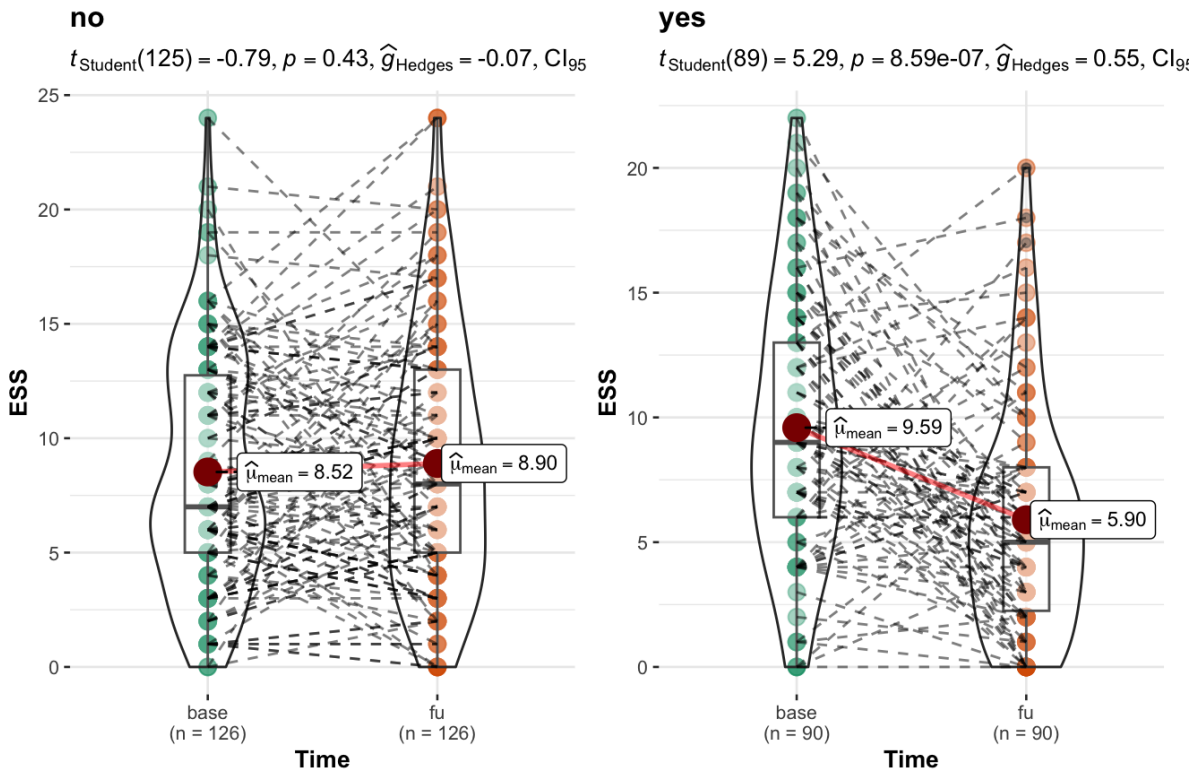

Figure 10: Box-Violin Jitter plot showing a significant decrease in Epworth sleepiness scores (ESS) in CPAP users as compared to non-users.

The above figure is a box-violin jitter plot depicting the comparison of ESS scores at baseline and follow-up in CPAP users and non-CPAP users. It was observed that in the non-CPAP user group, there was an increase in the mean ESS values, however, the increase was not statistically significant (baseline mean ESS 8.52 v/s 8.9 at follow-up, p =0.43). In the CPAP user group, there was a significant decrease observed in the follow-up ESS scores as compared to baseline (baseline mean ESS 9.59 v/s 5.90 at follow-up, p <0.0001).

DISCUSSION

Our study followed up the moderate-severe OSA patients diagnosed in the Department of Pulmonary Medicine, AIIMS Bhopal, to evaluate

- Factors associated with mortality in OSA patients.
- Compliance with therapy.
- Improvement in sleep-related, metabolic, cardiovascular, neurocognitive parameters and quality of life in compliant vs. non-compliant patients and between baseline and follow-up.
- Common complaints of CPAP users and reasons for non-compliance
- Comparison of baseline and follow-up parameters in OHS patients.

OSA and Mortality:

The mortality rate in our study was 15.22 per thousand years in patients <60 years and 69.04 per thousand years in patients ≥ 60 years of age, which is 5 times and 1.5 times the mortality rate in the respective age groups of Indian populations as per the sample registration system (2.9 per thousand years in <60 years and 42.3 per thousand years in ≥ 60 years of age). In our study, there was an increase in OSA mortality with age and male gender as demonstrated by multiple studies [13,15,19]. Patients with a higher mMRC dyspnea score, history of OAD and lower awake SpO2 at baseline assessment also had increased mortality. These findings are similar to the findings reported by Loachimescu et al and Wali et al[14,22]. Patients with comorbid insomnia with OSA (COMISA), were at a higher risk of mortality than OSA without insomnia symptoms (p=0.016), which is consistent with previous study in which COMISA was found to be a significant factor for cardiovascular comorbidities [24].

Loud snoring was seen to be associated with a higher incidence of mortality similar to the findings of Rich et al [15]. In our study, as all the patients had an average neck circumference of 40 cm, so increased neck circumference was not found to be associated with an increased risk of mortality, similarly no association was seen with micrognathia and retrognathia. However, macroglossia was significantly associated with increased mortality, similar to the findings reported by Schellenberg et al. [16] They reported that macroglossia was significantly associated with OSA severity but retrognathia and overjet were not.

Nocturia was significantly greater in the mortality group which is similar to the findings of Endeshaw et al. [18] This was due to a higher prevalence of cardiovascular and metabolic abnormalities in the patients with increased frequency of nocturnal urination. In another study by Goyal et al, nocturia was found to be significantly associated with severity of OSA. The presence of cardiovascular co-morbidities at baseline was also associated with increased mortality as reported by multiple studies [19,49].

No significant difference was seen in mortality rates of CPAP users in our study as compared to non-users, this is in contrast to the findings reported by Marti et al and Jennum et al. [13,23] The possible explanation for this discrepancy could be due to the fact that we could not verify the duration and due to a lesser duration and adequacy of use of CPAP in deceased patients.

Patients with OHS at baseline had worse survival as demonstrated by a Kaplan-Meier survival curve ($p<0.0001$). This finding is similar to that reported in previous studies, where increase in arterial CO_2 and $HCO3^-$ levels were associated with increased severity of OSA.

Increased haemoglobin was significantly associated with an increase in mortality, this is probably due to an increase in hypoxic episodes causing an increase in erythropoietin and a hyperinflammatory state causing an increase in thromboembolic episodes. [83] An increase in red cell distribution width (RDW) was also seen to be associated with increased mortality as reported by Di Lorenzo et al [21].

Lower mean SpO2 during PSG was also associated with increased severity of OSA similar to the findings reported by other studies [22]. Patients who died had a significantly higher T95, T90 and T85, this finding is in accordance with the findings of Labarca et al [25], who found that increased T90 is associated with increased risk of mortality and cardiovascular diseases.

On titration study analysis, a significantly higher number of deceased patients had been recommended position therapy. This can be due to the fact that as per the titration protocol adopted at our centre, position therapy is recommended in severe OSA patients who cannot be successfully titrated in supine position and invariably due to greater severity, are more likely to have increased mortality.

A significantly higher number of deceased patients were prescribed oronasal masks, possibly due to the fact that oronasal masks are usually prescribed to severe OSA patients or those with significant leakage, which together can contribute to the higher mortality as seen in our study.

In the Cox PH model, a significant difference after multivariable analysis was seen in the case of age, increased T95 and history of obstructive airway diseases at baseline. These factors are independently associated with mortality as reported by multiple researchers [14,15,19,25].

Compliance with therapy:

In our study out of the 252 patients, 108 were using CPAP at follow-up, the overall compliance being 43%; this is in accordance with the results published by the previous studies. [32,33]. However, this included the patients who were using the device intermittently in addition to regular users. To objectively assess CPAP compliance, data on CPAP usage was assessed from the device's SD card. Out of the 108 users, data for 79 patients could be obtained (in rest of the patients, due to factors like non-availability of devices and incompatibility of device software, data could not be downloaded). On assessing the download data, 43 patients (54%) were found to be using the device adequately i.e., ≥4 hours on at least 70% of nights. This shows that even among CPAP users, the usage of CPAP was dismally poor.

OSA and Dyspnoea:

In the follow-up subgroup analysis, there was a significant increase in mMRC scores in the non-CPAP user group compared to the CPAP user group. This suggests that OSA leads to an increase in dyspnea over the course of years and CPAP usage can decrease/stabilize the dyspnea.

CPAP Efficacy:

Daytime sleepiness:

On comparison of the ESS scores in CPAP users vs non-users there was a 3.7 point reduction in CPAP users while there was no reduction in non-users. This reduction is higher than that reported in previous studies. The ESS scores were significantly lower in patients who were compliant with CPAP as demonstrated by multiple meta-analyses[38 37] with significantly greater reduction when criteria for adequate compliance

were considered. Persistent EDS or residual hypersomnia was also significantly less in the user group (15.6% in CPAP users v/s 34.1% in non CPAP users).

Sleep Quality and Quality of Life:

In our study, a significant difference was not observed in the PSQI scores between CPAP users and non-users, although significant difference was observed when adequately compliant patients were compared to those who were using CPAP (but were not adequately compliant). This signifies that adequate compliance with CPAP is a factor in improving sleep quality. The reason for a non-significant decrease in PSQI scores in CPAP users can be attributed to the fact that we did not have baseline PSQI scores for comparison. Similar trends were also observed in the case of PHQ-9 and FSS scores, in which baseline values for individual patients were unavailable and on comparison between users and non-users no significant improvement was seen with the use of CPAP. As seen in previous studies using these questionnaires, improvement with PAP can be defined only when baseline scores are compared with follow-up rather than that for different patients. [39–41] This is one of the important limitation of this study.

Nocturia:

In our study, there was a significant difference in baseline vs follow-up nocturnal urination frequency ($p<0.001$). CPAP users had more decrease in nocturia frequency compared to non users. CPAP usage causes a decrease in the frequency of nocturnal urination, reduces multiple night-time awakenings and improves the quality of life in these patients. This observation is similar to the findings reported by Vrooman et al [42].

Examination parameters:

In our study, the BMI, neck, waist and hip circumferences were significantly higher in the user group as compared to the non-users. This can be also due to the fact that patients

with higher BMI and neck circumference have an increased severity of OSA and are therefore, much more likely to be compliant with therapy. On paired analysis, there was a significant decrease in the weight of patients on follow-up visit when compared to baseline values (at the time of diagnosis). However, on subgroup analysis, there was no significant difference observed in the weight of CPAP users and non-CPAP users.

Insomnia:

The prevalence of insomnia in our study was 8.7%, which is significantly less than reported in prevalence studies. The difference in insomnia definitions, referral bias and the small sample size probably account for the decreased prevalence of COMISA in our patient population. Also, we observed that the prevalence of initiation insomnia was greater than that of maintenance insomnia in our study (8.8% vs. 1.4%). This is most likely due to a much more strict criteria for maintenance insomnia adopted by us whereby, the patient should have had a history of multiple night-time or early morning awakenings ≥3 times/week along with a subjective perception of decreased sleep. There was no significant difference observed in the prevalence of insomnia between CPAP users and non-CPAP users on follow-up.

Risk of accidents and Morning headaches:

In our study, there was a significant improvement in OSA patients in accidents, near accidents and morning headaches in patients using CPAP as compared to non-users ($p<0.001$ in all cases), which is similar to those reported by multiple studies [61, 63,64].

Co-morbidities in OSA patients and effect of treatment

Cardiovascular:

Meta-analyses have shown a significant decrease in BP in patients who were treated with CPAP. [46] In our study, the prevalence of hypertension at baseline was 54.3%, which is higher than the prevalence in the general population i.e. 21.3% in females and 24% in males (NFHS-5 survey). This is in accordance with similar studies which have reported a higher prevalence of hypertension in OSA patients [44,45]. Blood pressure levels were not significantly decreased when follow-up values in CPAP users were compared with non-CPAP users. However, they were found to be significantly decreased when follow-up values of patients were compared with the baseline values. On the subgroup analysis, of the baseline and follow-up BP readings of CPAP users v/s non-CPAP users there was a significant decrease in SBP and DBP in CPAP users and SBP in non-users, however, there was no significant difference observed between the groups.

In our study, BP decreased in both users and non-users, probably as a result of reaffirmation of hypertension diagnosis and further counselling, leading to better awareness and initiation/optimization of antihypertensive therapy, in both the CPAP users and non-users.

Insulin Resistance:

In our study, insulin resistance was associated with a higher BMI and higher waist circumference ($p<0.001$ in both cases) as obesity is a known risk factor for increased insulin resistance. Insulin resistance was also significantly more in patients with a greater T90 with an average value of 15% in the insulin resistant group vs 8.1% in the insulin sensitive group ($p=0.002$), thus identifying hypoxia and a proinflammatory state

in OSA as a risk factor for the development of insulin resistance, similar to the trend noted in the study by Archontogeorgis et al [51].

In our study, CPAP users had a much higher incidence of insulin resistance, this is in contrast to the findings of Nir Peled et al, and Harsch et al, who demonstrated that CPAP use improves insulin resistance in OSA patients. [50,52] However, in our study baseline serum insulin values were not available for comparison. Since in our study, obese individuals had more severe OSA and more symptoms, they were more likely to use CPAP and thus can explain the bias that insulin resistance was more commonly seen in CPAP users.

Diabetes Mellitus:

In our study, the prevalence of diabetes in OSA patients at the time of diagnosis was 29.8% which was higher than that of the general population as mentioned in the NFHS-5 survey (13.5% in females and 15.6% in males), this is similar to the pattern reported by the ESADA study where OSA patients were found to have a higher prevalence of metabolic disorders [45]. The fasting blood glucose and HbA1c levels were both higher in CPAP users as compared to non-users which might be related to the increased BMI and abdominal adiposity in the patients who were compliant with therapy, which was also likely responsible for the significantly higher incidence of newly diagnosed T2DM in the CPAP group (p=0.047). The effect of CPAP on glycemic control has yielded some conflicting outcomes, with a beneficial effect seen in some studies [57], and no difference in others [58,59]. In the paired analysis the fasting blood sugar levels were higher on follow-up as compared to the baseline values at the time of diagnosis, in both users and non-users, although the difference was non-significant in both cases.

Dyslipidaemia and metabolic syndrome:

In our study, the overall prevalence of metabolic syndrome was 68.4% with no difference between CPAP users and non-users which is in accordance with similar studies [72,73]. This is higher than the prevalence (25%) reported in the general population [84]. In the paired analysis (between baseline and follow-up values), there was a significant decrease in the cholesterol and LDL values (p-value 0.001 and 0.003 respectively), while the TG values did not change significantly, similar to the findings of Nadeem et al [85]. In the subgroup analysis, where the baseline and follow-up parameters of CPAP users were compared with non-CPAP users, the decrease in cholesterol and LDL values was significant only in patients not using CPAP with no difference between the two groups, this was most likely a consequence of higher body mass index, abdominal adiposity and insulin resistance in patients who were compliant with CPAP.

Depression:

The prevalence of depression at baseline in our study was 18.5% which is higher than the 5% as reported by the National Mental Health Survey 2015-16.

PHQ-9 scores were lower in patients who were using CPAP as compared to non-users (6.6 vs. 5.0), but the difference was not statistically significant (p=0.129). 22.3% out of the total patients who presented for follow-up had a PHQ-9 score ≥10 s/o depression which is greater than the prevalence of 3.8% as seen in the general population [55]. 33% of the patients who were non-compliant with therapy had PHQ-9 ≥10, as compared to 15% in patients who were using CPAP, but the difference was not statistically significant, probably due to the sample size (p=0.105). Among the patients who were compliant with therapy, the PHQ-9 scores were still lower in adequately complaint

patients but the difference was not statistically significant. The use of CPAP in OSA is associated with a decrease in PHQ-9 scores as reported by Edwards et al. [40] However, in our study since baseline PHQ-9 scores were not available for comparison, the difference in follow-up could not be assessed.

Secondary Polycythaemia:

The haematocrit levels were significantly decreased in follow-up as compared to baseline in both CPAP users and non-users, in accordance with the results of the study by Martelli et al. [69] The haemoglobin levels were not significantly decreased when baseline values were compared with the follow-up values. On comparing the baseline and follow-up values of CPAP users v/s non-CPAP users, there was a significant decrease in hematocrit values in both users and non-users but there was no difference observed between the two groups.

Complications associated with CPAP use:

We found the most common complication associated with CPAP use was dry mouth which was seen in 62.5% of patients, followed by mask leak and nasal discomfort/congestion. This is in similar to the findings reported by multiple studies [34,35].

Reasons for non-compliance:

In patients who were not using CPAP, many gave multiple reasons for not adhering to the prescribed treatment. Among the most common reasons were not wanting to use CPAP daily for a prolonged period of time followed by misconceptions regarding the significance of the disease and pursuing alternate treatment options. However, financial inability to purchase the device was the single most important reason which is in

accordance with the results of the study by Goyal et al [36]. This can be due to the fact that ours is a state-funded health facility, catering to all sections of society, and therefore, majority of our patients are not able to afford CPAP devices.

OHS:

In our study, the OHS patients had a significant decrease in CO_2 and $HCO3^-$ levels with improvement in weight, HDL levels and ESS scores. However, the number of patients was too small for it to be considered significant.

SUMMARY

This observational study aimed to follow-up the moderate-severe OSA patients diagnosed in the Department of Pulmonary Medicine, AIIMS Bhopal to assess improvements in sleep quality, CPAP compliance, prevalence of co-morbidities and quality of life parameters.

The study was conducted in the Department of Pulmonary Medicine, AIIMS Bhopal from January 2022 to June 2023. A total of 672 patients were eligible for the study, of which 433 patients could be telephonically contacted. Among these 433 patients, 47 had died and 171 patients refused to participate. Follow-up data for 215 patients were collected with an overall median duration of follow-up being 59.5 months.

Patients were asked to fill out a questionnaire which included sleep quality, quality of life parameters, details of co-morbidities, CPAP compliance and complications associated with use, reasons for non-compliance (if any). Examination parameters and laboratory testing which included Hb, lipid profile, HbA1c and insulin resistance.

The following findings were observed:

- The overall mortality rate in our study was 15.22 per thousand years in <60 years and 69.04 per thousand years in ≥ 60 years of age, which is 5 times and 1.5 times the mortality rate in the respective age groups of Indian populations as per the sample registration system.
- Predictors of mortality on multivariable analysis were age, obstructive airway disease at baseline and T95 ($p<0.001$, 0.031 and 0.002 respectively).

- On comparing the baseline and follow-up characteristics for CPAP users and non-users significant differences were seen in the frequency of nocturnal urination (2.3 to 1.2, $p<0.001$) and Epworth sleepiness scores (9.6 to 5.9, $p<0.001$).
- There was significant improvement in neurocognitive parameters and fine motor skills as evidenced by significant improvement in accidents, near-accidents and morning headaches in CPAP users ($p<0.001$ in each case).
- CPAP compliance in our study was found to be 47.5% and adequate compliance was 54%.
- The most common complaint of CPAP users was dryness of mouth (62.5%) and the most important reason for not using CPAP was financial constraints (30%).
- Body mass index, neck, waist and hip circumference and insulin resistance were higher in the CPAP group as higher BMI is associated with increased severity of the disease and better patient compliance.
- Higher BMI, T90 and waist circumference were significantly associated with insulin resistance.
- In sleep quality and quality of life indices, CPAP use was associated with improvement in daytime sleepiness and sleep quality (in patients with adequate usage only).

This study demonstrates that OSA is a public health menace that contributes to increased mortality by itself and by increasing the incidence of cardiovascular, metabolic and neurocognitive complications. There is a need to increase awareness both among physicians and the general public regarding its presentation, associated complications and treatment strategies.

STRENGTHS AND LIMITATIONS

Strengths

1. Based on our current knowledge, this is the first study of its kind which followed up a sizeable number of OSA patients based on multiple criteria (survival, CPAP compliance, cardiovascular, metabolic parameters) as opposed to majority of studies which focus only on a single criteria.
2. Our study promotes a holistic approach to OSA patients, the majority of clinicians focus chiefly on specificities of OSA outcomes e.g. sleep quality, EDS, cardiovascular or metabolic complication etc. However, this is a complex disease involving multiple pathophysiologic mechanisms and needs to be managed holistically.
3. This is the first study of its kind to evaluate the factors associated with increased risk of mortality from India.

Limitations

1. This was a single-centre study and as such the results may not be generalisable to different population demographics
2. The majority of patients who presented for follow-up were either using PAP therapy or had severe disease at baseline. This may have contributed to a selection bias.
3. In the case of insulin resistance and quality of life parameters, the baseline values were not available for comparison, therefore, the effects of CPAP therapy could not be accurately assessed.
4. Owing to difficulty in contacting the relatives of the deceased patients, data on adequate CPAP usage and cause of death could not be reliably obtained.

CONCLUSION

OSA is a public health problem that is widely unrecognized and under-reported. The treatment of choice is nocturnal PAP therapy, which is unappealing to most patients for various reasons. The most common problem with CPAP continues to be poor compliance, despite there being abundant evidence regarding its benefits.

In our study, OSA was associated with an increased mortality along with an increased prevalence of major cardiovascular, metabolic and neurocognitive disturbances. CPAP use was associated with improved daytime sleepiness, sleep quality and neurocognitive parameters.

As physicians, we need to increase awareness regarding the signs and symptoms associated with OSA as well as the dangers of leaving it untreated. After diagnosis, the patients should be counselled regarding the treatment options and need for regular PAP therapy. There is a need for cheaper CPAP machines and insurance coverage for CPAP that can bring down the costs associated with this therapy and make OSA treatment affordable to the masses.

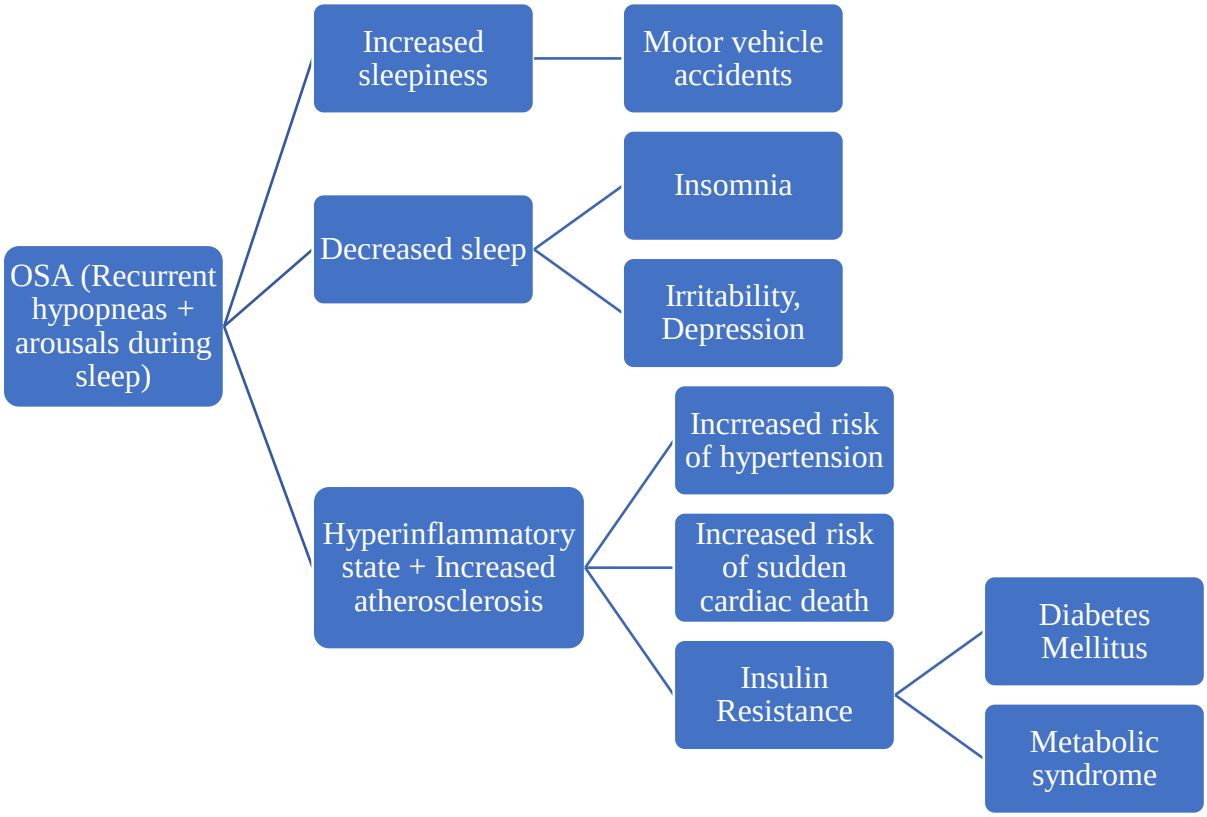

Figure 11: OSA and associated complications

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ANNEXURE 1

PATIENT INFORMED CONSENT FORM

Title of the study: Metabolic and cardiovascular complications in patients of Obstructive sleep apnea: A Descriptive study.

Guide: Dr Abhishek Goyal

Student: Dr. Ayush Jain

Institution: AIIMS Bhopal.

The details of the study have been provided to me in writing and explained to me in my own language. I confirm that I have understood the above study and had the opportunity to ask questions. I understand that participation in the study is voluntary and that I am free to withdraw at any time without any reason, without the medical care that will normally be provided by the hospital being affected. I agree not to restrict the use of any data or results that arise from this study provided such a use is only for scientific purpose(s). I have been given an information sheet giving details of the study. I fully consent to participate in the above study.

Signature of the patient **Signature of the investigator**

Name of the patient:

Age: **Gender:** **CR number:**

रोगी ने सहमति व्यक्त की (अनुबंध 1)

अध्ययन का शीर्षक: ऑब्सट्रक्टिव स्लीप के रोगियों में चयापचय और हृदय संबंधी जटिलताएँ: एक वर्णनात्मक अध्ययन।

प्रधान अन्वेषक: डॉ अभिषेक गोयल।
छात्र: डॉ. आयुष जैन।
संस्थान: एम्स भोपाल।

अध्ययन का विवरण मुझे लिखित रूप में प्रदान किया गया है और मुझे अपनी भाषा में समझाया गया है। मैं पुष्टि करता हूं कि मैंने उपरोक्त अध्ययन को समझ लिया है और मुझे प्रश्न पूछने का अवसर मिला है। मैं समझता हूं कि अध्ययन में भाग लेना स्वैच्छिक है और मैं बिना किसी कारण के किसी भी समय इस अध्ययन में अपनी भागीदारी समाप्त कर सकता हूॅ। जिससे अस्पताल द्वारा प्रदान की जाने वाली चिकित्सा देखभाल प्रभावित नहीं होगी। मैं इस अध्ययन से उत्पन्न होने वाले किसी भी डेटा या परिणामों के उपयोग को प्रतिबंधित नहीं करने के लिए सहमत हूं, बशर्ते ऐसा उपयोग केवल वैज्ञानिक उद्देश्यों के लिए हो। मुझे अध्ययन का विवरण देते हुए एक सूचना पत्र दिया गया है। मैं उपरोक्त अध्ययन में भाग लेने के लिए पूरी तरह से सहमत हूं।

रोगी के हस्ताक्षर **अन्वेषक के हस्ताक्षर**

रोगी का नाम:

आयु: **लिंग:** **सी.आर संख्या:**

ANNEXURE 2

PATIENT INFORMATION SHEET

Purpose of the study:

The study will be conducted to obtain a detailed follow up of Obstructive Sleep Apnoea patients for the assessment of residual sleepiness, compliance with CPAP therapy, along with parameters related to cardiovascular, metabolic and neurocognitive disorders.

Procedure of the study:

Your participation in the study does not does not imply that your treatment of Obstructive Sleep Apnea is changed. You will be given all the available treatment deemed feasible in the hospital for the same. After you give consent for the study, you will undergo a physical examination for the measurement of your weight, neck circumference, abdominal girth, hip circumference, BMI and blood pressure. You will also be subjected to certain investigations, a Fasting blood sugar level, fasting lipid profile, fasting serum insulin, ABG and HbA1c. Your daytime sleepiness and sleep quality will be assessed by the Epworth Sleepiness Scale(ESS) and the Pittsburg Sleep Quality Index(PSQI). Assessment of depression and quality of life will be done by the PHQ-9 questionnaire and the Fatigue severity scale respectively. Along with these parameters, data on CPAP compliance, adverse effects associated with CPAP use, cardiovascular and metabolic complications will be collected.

Benefits from the study to the participant

We expect that participation in this study will help in the assessment of your residual daytime sleepiness levels, sleep quality and improve compliance to CPAP therapy by addressing the adverse effects associated with CPAP use. The measurement of physical and metabolic parameters will help in the monitoring or early diagnosis of any comorbid illnesses along with a assessment of depressive disorders and quality of life

Maintenance of confidentiality of records:

Your identity will not be revealed in the study results and publications. Your participation in the study and the study records will be kept confidential. The data generated from the study may be used for scientific publications.

Freedom to withdraw from the study at any time during the study period without the loss of benefits that the participant would otherwise be entitled:

Your participation in this study is entirely voluntary. The consent you give would not be under any influence or threat and if at any time you want to withdraw from the study you can do so without giving any reasons. Your withdrawal would in no way

result in AIIMS withholding normal medical care, to which you are even otherwise entitled

रोगी सूचना पत्रक (अनुबंध 2)

1. अध्ययन का उद्देश्य:

अध्ययन ऑब्सट्रक्टिव स्लीप एपनिया के रोगियों की अवशिष्ट तंद्रा के आकलन के लिए विस्तृत अनुवर्ती प्राप्त करने के लिए आयोजित किया जाएगा, सीपीएपी थेरेपी के अनुपालन के साथ-साथ हृदय, चयापचय और तंत्रिका संबंधी विकारों से संबंधित मापदंडों के साथ।

2. अध्ययन की प्रक्रिया:

अध्ययन में आपकी भागीदारी का यह अर्थ नहीं है कि ऑब्सट्रक्टिव स्लीप एपनिया के आपके उपचार को बदल दिया गया है। आपको इसके लिए अस्पताल में संभव समझे जाने वाले सभी उपचार दिए जाएंगे। अध्ययन के लिए सहमति देने के बाद, आप अपने वजन, गर्दन की परिधि, पेट की परिधि, कूल्हे की परिधि, बीएमआई और रक्तचाप की माप के लिए एक शारीरिक परीक्षा से गुजरेंगे। आपको कुछ जांचों, एक फास्टिंग ब्लड शुगर लेवल, फास्टिंग लिपिड प्रोफाइल, फास्टिंग सीरम इंसुलिन, एबीजी और एचबीए1सी के अधीन भी किया जाएगा। आपकी दिन की नींद और नींद की गुणवत्ता का मूल्यांकन एपवर्थ स्लीपनेस स्केल (ईएसएस) और पिट्सबर्ग स्लीप क्वालिटी इंडेक्स (पीएसक्यूआई) द्वारा किया जाएगा। अवसाद और जीवन की गुणवत्ता का आकलन क्रमशः PHQ-9 प्रश्नावली और थकान गंभीरता पैमाना (FSS) के कार्यात्मक परिणाम द्वारा किया जाएगा। इन मापदंडों के साथ, सीपीएपी अनुपालन, सीपीएपी उपयोग से जुड़े प्रतिकूल प्रभाव, हृदय और चयापचय संबंधी जटिलताओं पर डेटा एकत्र किया जाएगा।

3. अध्ययन से प्रतिभागी को लाभ

हम उम्मीद करते हैं कि इस अध्ययन में भाग लेने से आपके अवशिष्ट दिन की नींद के स्तर, नींद की गुणवत्ता का आकलन करने में मदद मिलेगी और सीपीएपी उपयोग से जुड़े प्रतिकूल प्रभावों को संबोधित करने से सीपीएपी थेरेपी के अनुपालन में सुधार होगा।शारीरिक और चयापचय मापदंडों के मापन से किसी भी सहवर्ती रोगों की निगरानी या शीघ्र निदान में मदद मिलेगी अवसादग्रस्तता विकारों और जीवन की गुणवत्ता के आकलन के साथ-साथ.

4. अभिलेखों की गोपनीयता बनाए रखना:

अध्ययन के परिणामों और प्रकाशनों में आपकी पहचान उजागर नहीं की जाएगी। आपका

अध्ययन में भाग लेने का निर्णय और अध्ययन रिकॉर्ड को गोपनीय रखा जाएगा।अध्ययन से उत्पन्न आँकड़ों का उपयोग वैज्ञानिक प्रकाशनों के लिए किया जा सकता है।

5. अध्ययन अवधि के दौरान किसी भी समय अध्ययन से हटने की स्वतंत्रता उन लाभों के नुकसान के बिना जो प्रतिभागी अन्यथा हकदार होंगे:

इस अध्ययन में आपकी भागीदारी पूरी तरह से स्वैच्छिक है। आपके द्वारा दी गई सहमति नहीं होगी
किसी भी प्रभाव या खतरे में हों और यदि आप किसी भी समय इससे पीछे हटना चाहते हैं
आप बिना कोई कारण बताए ऐसा कर सकते हैं। आपकी निकासी किसी भी तरह से नहीं होगी
परिणामस्वरूप एम्स सामान्य चिकित्सा देखभाल रोक देता है, जिसके आप अन्यथा भी हकदार हैं।

ANNEXURE 3

PATIENT CASE SHEET

I. Name

II. Age/Sex

III. Address

IV. Phone Number

V. Hospital ID

VI. Underlying diagnosis apart from OSA

VII. Shortness of breath

	mMRC Grading
Baseline	
Follow up	

IX. If deceased, date and reason of death

X. If OHS present at baseline(Y/N)

if yes, (ABG)

XI. Diagnostic PSG date and report:

Parameters	**Values**
AHI(Apnoea Hypopnoea Index)	
REM AHI	
NREM AHI	
T90	
ODI(Oxygen Desaturatinon Index)	
Nadir Oxygen saturation	

XII. Titration study

Type of pressure therapy(Bilevel PAP/CPAP)	
Titration pressure	
Level of titration(optima/suboptimal/adequate)	
Date advised	
Date started using	
Positional therapy advised(Y/N)	
If yes, since when	
Type of mask	

Duration of CPAP use

XIII. How did you came to know about AIIMS sleep lab: Referred from outside clinic/ referred from other dept in AIIMS/ self walk in /

XIV. Assessment of residual sleepiness

ESS

On a scale of 0-3, rate your chances of dozing in the following situations

Sitting and reading

Watching TV

Sitting inactive in a public place(theatre or meeting)

As a passenger in a car for an hour without a break

Lying down to rest in the afternoon when circumstances permit

Sitting and talking to someone

Sitting quietly after a lunch without alcohol

In a car, while stopped for a few minutes in traffic

TOTAL SCORE

PSQI

During the past month,

1. When have you usually gone to bed?

2. How long (in minutes) has it taken you to fall asleep each night?

3. What time have you usually gotten up in the morning?

4. A. How many hours of actual sleep did you get at night?

(Maybe different than the number of hours spent in bed)

5. During the past month, how often have you had trouble sleeping because you	**Not during the past month**	**Less than once a week**	**Once or twice a week**	**Three or more times a week**
A. Cannot get to sleep within 30 minutes				
B. Wake up in the middle of the night or early morning				
C. Have to get up to use the bathroom				
D. Cannot breathe comfortably				

E. Cough or snore loudly				
F. Feel too cold				
G. Feel too hot				
H. Have bad dreams				
I. Have pain				
J. Other reason (s), please describe				
How often you have had trouble sleeping because of this				

6. During the past month, how would you rate your sleep quality overall?

Very good _____

Fairly good _____

Fairly bad _____

Very bad _____

7. During the past month, how often have you taken medicine to help you sleep (prescribed or "over the counter")?

Not during the past month

Less than once a week

Once or twice a week

Three or more times a week

8. During the past month, how often have you had trouble staying awake while driving, eating meals, or engaging in social activity?

Not during the past month

Less than once a week

Once or twice a week

Three or more times a week

9. During the past month, how much of a problem has it been for you to keep up enough enthusiasm to get things done?

No problem at all

Only a very slight problem

Somewhat of a problem

A very big problem

10. Do you have a bed partner or room mate?

No bed partner or room mate

Partner/room mate in other room

Partner in same room, but not same bed

Partner in same bed

If you have a room mate or bed partner, ask him/her how often in the past month you have had . . .	**Not during the past month**	**Less than once a week**	**Once or twice a week**	**Three or more times a week**
a) Loud snoring				
b) Long pauses between breaths while asleep				
c) Legs twitching or jerking while you sleep				
d) Episodes of disorientation or confusion during sleep				
e) Other restlessness while you sleep; please describe				

Total Score

If abnormal movements present ask for REM behavioural disorder

XV. Compliance with CPAP therapy

Subjective

Parameters		**1 month**	**6months**	**1 year**
% of days with device usage				
Hours per day				
%days used>4hrs				
Usage adequate or not				

Objective

	1 month	**6 months**	**1 year**
% of days with device usage			
Hours per day			
%days used >4hrs			
AHI			
Mask leak			
Usage adequate or not			

Time of use for a single mask (Months)

Frequency of cleaning the mask (times per month)

Reasons for non-usage

Reason for not using PAP therapy	Y	N
Costly		
Do not feel any difference in life with CPAP		
Nasal discomfort		
Cannot use throughout life		
Don’t believe in the therapy		
I feel lazy to apply CPAP		
Too busy to use CPAP		
Machine doesn’t work properly		
I don’t believe i have OSA		
I don’t think the disease is significant		
Claustrophobic with mask		
Unsatisfied with PSG study		
Want to use intermittently		
Ashamed of using CPAP		
Spouse doesn’t want me to use		
Trying other therapies like weight loss, surgery		
Always on the move		
Physicians perspective, whether non compliance is due to wrong pressure/wrong mask		

Most important reason

Adverse effects associated with CPAP use

Complications	**Present(+)/ Absent(-)**	**Using Humidifier(Y/N)**
Mask Leak		
Nasal discomfort		
Bruised nasal ridge		
Pressure intolerance		
Claustrophobia		
Dry mouth		
H/O pneumonia in last one year		
Facial rash		
Red eyes		

XVI. Complications.

Diagnosis	**Positive History(Y/N)**	**If yes, mention date of diagnosis**
Systemic hypertension		
Diabetes		
CAD		
Stroke		
CHF		
Atrial fibrillation		
Sudden cardiac death		

Other Dysrhythmias		
Nocturnal urination frequency		
Admission with SOB(if yes, mention frequebcy)		

XVII. Metabolic parameters

PARAMETERS	**BASELINE**	**FOLLOW UP**
Weight		
Systolic BP		
Diastolic BP		
Neck circumference		
Waist circumference		
Hip circumference		
BMI		
Haemoglobin		
Haematocrit		
Total Cholesterol		
Triglyceride level		
HDL cholesterol		
LDL cholesterol		
VLDL Cholesterol		
Fasting blood sugar		

HbA1c		
Insulin level		
Metabolic score		
Metabolic syndrome		
H/O Malignancy		

XVIII. Neurocognitive function

1. History of motor vehicle accidents/ morning headaches

	Baseline(If yes, how many) in one year and date of last	**After treatment(If yes, how many) in last one year and date of last**
H/O Motor Vehicle Accidents		
H/O Motor Vehicle Near Accidents		
H/O early morning headache in per month		

2. PHQ-9 Patient Depression Questionnaire

Over the past 2 weeks, how often have you been bothered by any of the following problems?		**Not at all**	**Several days**	**More than half the days**	**Nearly every day**
1	Little interest or pleasure in doing things	**0**	**1**	**2**	**3**
2	Feeling down, depressed or hopeless	**0**	**1**	**2**	**3**
3	Trouble falling or staying asleep or sleeping too much	**0**	**1**	**2**	**3**
4	Feeling tired or having little energy	**0**	**1**	**2**	**3**
5	Poor appetite or overeating	**0**	**1**	**2**	**3**
6	Feeling bad about yourself-or that you are a failure or have let yourself or your family down	**0**	**1**	**2**	**3**
7	Trouble concentrating on things, such as reading the newspaper or watching television	**0**	**1**	**2**	**3**
8	Moving or speaking so slowly that other people could have noticed. Or the opposite-being so fidgety or restless that you have been moving around a lot more than usual	**0**	**1**	**2**	**3**
9	Thoughts that you would be better off dead, or of hurting yourself	**0**	**1**	**2**	**3**

TOTAL SCORE:

If you checked off any of these problems, how difficult have these problems made it for you to do your work, take care of things at home, or get along with other people

Not Difficult at all

Somewhat Difficult

Very Difficult

Extremely Difficult

XIX. Quality of life

FSS(Fatigue Severity Scale)

Please circle the number between 1 and 7 which you feel best fits the following statements. This refers to your usual way of life within the last week. 1 indicates "strongly disagree" and 7 indicates "strongly agree."

Read and circle a number	**Strongly Disagree**	→					**Strongly Agree**
My motivation is lower when I am fatigued.	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Exercise brings on my fatigue.	**1**	**2**	**3**	**4**	**5**	**6**	**7**
I am easily fatigued.	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Fatigue interferes with my physical functioning.	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Fatigue causes frequent problems for me.	**1**	**2**	**3**	**4**	**5**	**6**	**7**

My fatigue prevents sustained physical functioning	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Fatigue interferes with carrying out certain duties and responsibilities.	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Fatigue is among my most disabling symptoms.	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Fatigue interferes with my work, family, or social life.	**1**	**2**	**3**	**4**	**5**	**6**	**7**

Mapi Research Trust

SPECIAL TERMS

These User License Agreement Special Terms ("Special Terms") are issued between Mapi Research Trust ("MRT") and Ayush Jain ("User").

These Special Terms are in addition to any and all previous Special Terms under the User License Agreement General Terms.

These Special Terms include the terms and conditions of the User License Agreement General Terms, which are hereby incorporated by this reference as though the same was set forth in its entirety and shall be effective as of the Special Terms Effective Date set forth herein.

All capitalized terms which are not defined herein shall have the same meanings as set forth in the User License Agreement General Terms.

These Special Terms, including all attachments and the User License Agreement General Terms contain the entire understanding of the Parties with respect to the subject matter herein and supersedes all previous agreements and undertakings with respect thereto. If the terms and conditions of these Special Terms or any attachment conflict with the terms and conditions of the User License Agreement General Terms, the terms and conditions of the User License Agreement General Terms will control, unless these Special Terms specifically acknowledge the conflict and expressly states that the conflicting term or provision found in these Special Terms control for these Special Terms only. These Special Terms may be modified only by written agreement signed by the Parties.

1. **User information**

User name	Ayush Jain
Category of User	University
User address	AIIMS Campus, Saket Nagar, Bagh Swaniya Bhopal 462020 India
User VAT number	
User email	ayush6289@yahoo.com
User phone	+919997982655
Billing Address	AIIMS Campus, Saket Nagar, Bagh Swaniya Bhopal 462020 India

2. **General information**

Effective Date	Date of acceptance of these Special Terms by the User
Expiration Date (“Term”)	Upon completion of the Stated Purpose
Name of User’s contact in charge of the request	Ayush Jain

3. **Identification of the COA**

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Name of the COA	ESS - Epworth Sleepiness Scale
Author	Johns MW
Copyright Holder	Johns Murray W.
Copyright notice	ESS © MW Johns 1990-1997. Used under License.
Bibliographic reference	Johns MW. The clinical assessment of daytime sleepiness in patients with obstructive sleep apnea. In:Surgery for snoring and obstructive sleep apnea syndrome, ed. Fabiani M. Kugler publications, The Hague, 2003: 283-295 Johns MW. Sensitivity and specificity of the multiple sleep latency test (MSLT), the maintenance of wakefulness test and the epworth sleepiness scale: failure of the MSLT as a gold standard. J Sleep Res. 2000 Mar;9(1):5-11 (PubMed abstract) Johns MW. Sleepiness in different situations measured by the Epworth Sleepiness Scale. Sleep. 1994 Dec;17(8):703-10 (PubMed abstract) Johns MW. Daytime sleepiness, snoring, and obstructive sleep apnea. The Epworth Sleepiness Scale. Chest. 1993 Jan;103(1):30-6 (PubMed abstract) Johns MW. Reliability and factor analysis of the Epworth Sleepiness Scale. Sleep. 1992 Aug;15(4):376-81 (PubMed abstract)

	Johns MW. A new method for measuring daytime sleepiness: the Epworth sleepiness scale. Sleep. 1991 Dec;14(6):540-5 (PubMed abstract)
Modules/versions needed	ESS

4. **Context of use of the COA**

The User undertakes to use the COA solely in the context of the Stated Purpose as defined hereafter. **4.1 Stated Purpose**

Clinical research

Title	A follow up analysis of all Obstructive Sleep Apnoea patients diagnosed in the Department of Pulmonary Medicine, AIIMS Bhopal and started on Continuous positive Airway Pressure(CPAP) therapy.
Study/protocol reference	

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Sponsor	
Disease or condition	Obstructive Sleep Apnoea
Type of research	Observational
COA used as primary end point	Yes
Number of enrolled patients/subjects	
Number of estimated failed patients/subjects	
Number of submissions of the COA for each enrolled patient/subject	
Planned Term*	Start: 12/2021; End: 10/2024
Mode of Administration*	Paper
If electronic administration, please indicate mode of data collection	
Use of IT Company (e-vendor)	No

4.2 Country and languages

MRT grants the License to use the COA on the following countries and in the languages indicated in the table below:

The User understands that the countries indicated above are provided for information purposes. The User may use the

COA in other countries than the ones indicated above. 5. **Specific requirements for the COA**

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- In case the User wants to use an e-Version of the COA, ICON LS shall update (if needed) and populate the COA

Version/Module	Language	For use in the following country
ESS	Hindi	India

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translations into a technical file provided by the User or IT Company. The User or IT Company will upload the translations from the technical file into the User's or IT Company's system and shall send the Screenshots of the translations of the COA to ICON LS for review and approval. The update (if needed), the population of the versions into the technical file and the Screenshots review may incur additional fees.

By accepting these Special Terms, the User acknowledges and confirms that it has read and approves the User Agreement General Terms.

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REQUEST

Subject: Permission to use Hindi version of the PSQI for research purpose

Description: I, Dr Ayush Jain, am pursuing the course of Doctor of Medicine in Pulmonary, Critical care and sleep medicine from the All India Institute of Medical Sciences, Bhopal, India. The topic for my dissertation is "A follow up analysis of all Obstructive Sleep Apnoea patients diagnosed in the Department of Pulmonary Medicine, AIIMS Bhopal and started on Continuous positive Airway Pressure(CPAP) therapy." We will be doing a detailed follow up of all OSA patients and need your permission to use the PSQI in the research questionnaire. It will be used solely for scientific research purposes and not for any commercial purpose.

Other recipients (CC):

Instruments: PSQI - Pittsburgh Sleep Quality Index

Version names: PSQI

Other instrument: No

Specify other instruments:

Languages: Hindi for India

Mode of administration: Paper administration

Our team can print and ship out the versions for you: No

Study financing: Not funded

Study/Protocol number:

PO Number:

Ad Hoc: Yes

INFORMATION

Number: 2117046

Type of request: Questionnaire Distribution

Assigned to: Hoissila Talhi

Creation date: 28-Nov-2021

Modification date: 09-Dec-2021

Status: Closed Completed

Gmail Ayush Jain <ayushj6289@gmail.com>

Permission to use the Hindi version of the Fatigue Severity Scale(FSS) for my research

3 messages

Ayush Jain <ayushj6289@gmail.com> Wed, Jan 12, 2022 at 3:18 AM
To: drbirinder06@yahoo.co.in

Respected Sir,

I, Dr Ayush Jain, am pursuing the course of Doctor of Medicine in Pulmonary, Critical care and sleep medicine from the All India Institute of Medical Sciences, Bhopal, India.
The topic for my dissertation is "A follow up analysis of all Obstructive Sleep Apnoea patients diagnosed in the Department of Pulmonary Medicine, AIIMS Bhopal and started on Continuous positive Airway Pressure(CPAP) therapy."
We will be doing a detailed follow up of all OSA patients and need your permission to use the FSS(Hindi version) in the research questionnaire. It will be used solely for scientific research purposes and not for any commercial purpose.
Kindly grant me permission to use the FSS(Hindi version) for my thesis.

Thanks and regards
Dr Ayush Jain
Department of Pulmonary Medicine
All India Institute of Medical Sciences
Bhopal

Birinder paul <drbirinder06@yahoo.co.in> Wed, Jan 12, 2022 at 9:23 AM
Reply-To: Birinder paul <drbirinder06@yahoo.co.in>
To: Ayush Jain <ayushj6289@gmail.com>

Thnaks for the mail
We have no problem. You can use hindi version of FSS

Dr. Birinder Singh Paul, Professor Neurology

Dayanand Medical College & Hospital Ludhiana 141001

Mobile No: 98780-45330 Fax: 0161-2302620

E-mail: drbirinder06@yahoo.co.in

[Quoted text hidden]

Ayush Jain <ayushj6289@gmail.com> Wed, Jan 12, 2022 at 12:32 PM
To: Birinder paul <drbirinder06@yahoo.co.in>

Thank you sir.
[Quoted text hidden]

Screener Overview

Recognizing signs of mental health disorders is not always easy. The Patient Health Questionnaire (PHQ) is a diagnostic tool for mental health disorders used by health care professionals that is quick and easy for patients to complete. In the mid-1990s, Robert L. Spitzer, MD, Janet B.W. Williams, DSW, and Kurt Kroenke, MD, and colleagues at Columbia University developed the **Prim**ary Care **E**valuation of **M**ental **D**isorders (PRIME-MD), a diagnostic tool containing modules on 12 different mental health disorders. They worked in collaboration with researchers at the Regenstrief Institute at Indiana University and with the support of an educational grant from Pfizer Inc. **During the development of PRIME-MD, Drs. Spitzer, Williams and Kroenke, created the PHQ and GAD-7 screeners.**

The PHQ, a self-administered version of the PRIME-MD, contains the mood (PHQ-9), anxiety, alcohol, eating, and somatoform modules as covered in the original PRIME-MD. The GAD-7 was subsequently developed as a brief scale for anxiety. The PHQ-9, a tool specific to depression, simply scores each of the 9 DSM-IV criteria based on the mood module from the original PRIME-MD. The GAD-7 scores 7 common anxiety symptoms. Various versions of the PHQ scales are discussed in the Instruction Manual.

All PHQ, GAD-7 screeners and translations are downloadable from this website and no permission is required to reproduce, translate, display or distribute them.

Select a Screener

PHQ and GAD-7 Screeners

Select a Screener

Click here to access the Instruction Manual

Bibliography by author

Pfizer

Privacy Policy Terms of Use Agreement

Master Chart

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Name	Sleepclinic_numbe	gender	mobile	age	study_done_for_ot	centre	Date_of_patient_e	agegt50	do_you_have_sob	mmrc	what_is_your_prim	for_how_many_ye	do_you_feel_exces	do_you_feel_fatigu	does_daytime_slee	do_you_nap_durin	do_you_drive	how_many_near_a	how_many_real_a	how_many_caffein	have_you_ever_ex	usually_what_time	Usually_how_long
2																								
3	amit Kumar saraf	1	male	8120180576	37			2015-06-23	0	no		hypersomnia loud_snoring		yes	1	yes	yes	yes	2	0	5	no	00:00:00.000	5
4	Bhupendra chauhan	7	male	9425376933	57			2015-07-06	1	no		loud_snoring fatiga	1	no	1	no	no	yes	0	0	2	no	22:00:00.000	7
5	Deepali Shah	8	female	9926359288	45			2015-07-16	0	no		hypersomnia loud_	10	no	1	yes	no	yes	0	0	2	no	23:00:00.000	15
6	M. D . dongre	11	male	9827326946	69			2015-07-23	1	no		hypersomnia loud_	15	yes	1	yes	yes	yes	0	0	4	no	23:00:00.000	30
7	Lata verma	13	female	9993445598	55			2015-07-27	1	no		hypersomnia loud_	10	yes	0	no	yes	no			2	no	22:00:00.000	15
8	Santosh Bankey	16	male	9424434547	46			2016-05-12	0	no		loud_snoring fatigability		yes	1	yes	yes	yes	0	0	2	no	23:00:00.000	15
9	Anurag Mishra	20	male	8989405737	49			2015-07-08	0	no		hypersomnia loud_snoring		yes	1	yes	yes	yes	3	0	6	no	23:00:00.000	5
10	Shailendra Goyal	27	male	9893450454	44			2015-07-13	0	no		hypersomnia loud_snoring		yes	1	yes	yes	yes	2	0	3	no	22:00:00.000	0
11	Yogendra Rathore	28	male	9425149930	42			2016-04-19	0	no		loud_snoring		yes	1	no	no	yes	0	0	2	no	23:00:00.000	1
12	B N Shrivastava	35	male	9179238819	65			2015-07-13	1	no		hypersomnia loud_snoring		yes	1	yes	yes	yes	3	0	7	no	23:00:00.000	30
13	G K Mathur	37	male	9425116203	61			2015-08-05	1	no				yes	0	yes	yes	yes	0	0	3	no	22:03:00.000	10
14	S.C.Das	38	male	9229192308	53			2015-10-19	1	no		loud_snoring		yes	1	no	no	yes	0	0	2	no	23:00:00.000	30
15	Rajiv Singh	39	male	9584926724	51			2015-07-21	1	no		loud_snoring		no	0	no	no	yes	0	0	2	no	23:00:00.000	15
16	santosh joshi	41	male	9425666280	58			2015-07-22	1	yes	choice6	loud_snoring	10	no	0	no	yes	no			3	no	11:00:00.000+05:3	45
17	Devendra Makwany	43	male	9425021790	52			2015-07-23	1	no		loud_snoring		yes	0	no	no	yes	0	0	2	no	00:00:00.000	5
18	Sudhir kumar	56	male	9826215080	50			2016-05-17	1	no		loud_snoring		no	0	no	yes	yes	0	0	3	choice9	22:03:00.000	5
19	satyanarayan patel	60	male	9200703069	37			2015-12-11	0	no		hypersomnia loud_snoring		yes	1	no	yes	no			1	no	23:00:00.000	10
20	Leelavati	64	female	9425302476	64			2015-07-07	1	no		insomnia loud_snoring fatigability		no	1	yes	yes	no			2	no	23:00:00.000	10
21	Pankaj Ringe	65	male	9981698186	41			2015-09-29	0	no		loud_snoring		yes	1	yes	no	yes	0	0	4	no	23:00:00.000	5
22	Anika Sharma	66	female	9977002674	11			2015-08-11	0	no		loud_snoring	1	no	0	no	no	no			0	no	22:00:00.000	60
23	Savita Dhingra	68	female	9424441482	67			2015-08-18	1	no		insomnia loud_sno	15	yes	1	no	no	no			5	no	23:00:00.000	120
24	K.Goutam	69	male	9406902154	53			2016-05-20	1	no		loud_snoring fatigability		no	1	yes	no	yes	0	0	3	no	23:00:00.000	10
25	Neeraj Shrivastava	73	male	9893903488	38			2016-01-18	0	no		hypersomnia loud_snoring		yes	1	yes	no	yes	0	1	2	no	23:00:00.000	15
26	Puneet Rawat	78	male	9926343907	35			2016-01-18	0	no		hypersomnia loud_snoring		yes	1	yes	yes	yes	1	0	2	no	23:00:00.000	30
27	Akash Pethiya	79	male	7566117777	34			2015-09-08	0	no		hypersomnia loud_snoring		yes	1	yes	yes	yes	0	0	0	no	23:00:00.000	5
28	Rajaram Meera	80	male	9425366624	49			2015-09-08	0	no		insomnia loud_snoring		no	1	yes	no	yes	0	0	5	no	20:00:00.000	15
29	Ravindra Tiwari	82	male	9977001695	49			2015-09-08	0	no			1	no	0	no	no	yes	0	0	2	no	01:00:00.000	45
30	Arvind Mehra	87	male	9669669190	51			2015-09-09	1	no		hypersomnia insom	2	yes	1	yes	yes	yes	0	0	12	no	22:00:00.000	5
31	Chanchal Bakshi	90	female	9425602294	72			2015-09-18	1	no		insomnia		no	1	no	no	no			1	no	23:00:00.000	30
32	Subhash Gupta	91	male	9826959102	69			2015-09-15	1	no		loud_snoring fatigability		yes	1	yes	yes	yes	0	0	5	no	00:00:00.000	15
33	H K Amar	97	male	9893390757	51			2015-09-22	1	no		hypersomnia loud_snoring		yes	1	yes	no	yes	0	0	5	no	23:00:00.000	30
34	Narendra Singha Chouhan	98	male	9425028867	60			2015-09-22	1	no		loud_snoring		no	0	no	no	yes	0	0	0	no	22:03:00.000	15
35	Abhishek Goyal	100	male	7747012055	32			2015-08-27	0	no		hypersomnia fatigability		yes	1	yes	yes	yes	0	0	2	no	00:00:00.000	5
36	Kiran Dubey	103	female	9893284260	62			2015-09-22	1	no		hypersomnia loud_snoring		yes	0	yes	yes	no			3	no	00:03:00.000	5
37	Manshuk Lal Thakur	112	male	9165485566	65			2015-10-06	1	no		loud_snoring		yes	0	no	yes	yes	0	0	4	no	23:00:00.000	15
38	kiran Patwa	115	female	9630143104	48			2015-10-14	0	no		hypersomnia insomnia loud_snoring fa		yes	0	yes	yes	no			6	choice9	22:00:00.000	60
39	Prakash Chand Bareley	116	male	9229888855	63			2015-10-14	1	no		loud_snoring		no	0	no	no	no			2	no	22:03:00.000	15
40	Ashok Bharadwaj	118	male	9425381184	67			2015-10-19	1	no		hypersomnia loud_snoring		yes	1	yes	yes	yes	0	0	4	no	22:00:00.000	10
41	Turun Mulchandani	129	male	9826256001	43			2015-11-03	0	no		loud_snoring		yes	0	no	yes	yes	0	0	3	no	23:00:00.000	5
42	Sar Hashmi	139	male	9425600633	53			2015-11-17	1	no		hypersomnia loud_snoring fatigability		yes	1	no	yes	yes	0	0	4	no	22:03:00.000	5
43	A K Parmar	152	male	9425365646	59			2015-12-08	1	no		loud_snoring fatigability		no	1	yes	no	yes	0	0	2	no	22:03:00.000	10
44	C K Khakre	160	male	9039259937	41			2015-12-23	0	no		loud_snoring		no	0	no	yes	no			3	no	22:03:00.000	5
45	Anup khare	164	male	9425605057	43			2015-12-22	0	no		loud_snoring		no	0	no	yes	yes	0	0	3	no	22:03:00.000	5
46	R K Vaid	172	male	9424409837	54			2016-01-05	1	no		loud_snoring fatigability		yes	1	yes	yes	yes	0	0	4	no	23:00:00.000	30
47	Seema shrivastava	174	female	9926364208	41			2016-01-05	0	no		insomnia loud_snoring fatigability		no	1	no	no	yes	0	0	4	no	23:00:00.000	30
48	Dilip Jain	175	male	9926355679	49			2016-01-06	0	no		loud_snoring pain_in_legs		yes	1	yes	yes	no			4	choice9	23:03:00.000	2
49	Surendra Meena	176	male	9827529164	27			2016-01-07	0	no		hypersomnia		no	1	no	yes	yes	0	0	4	no	22:00:00.000	15
50	Manish Jawalkar	178	male	9752205875	30			2016-01-09	0	no		loud_snoring		yes	0	yes	yes	yes	0	0	0	no	22:03:00.000	5
51	Sukhdev Mahajan	180	male	9826065584	58			2016-01-12	1	no		hypersomnia loud_snoring fatigability		yes	1	yes	yes	no			3	no	22:00:00.000	5
52	Shyam Sunder Silodiya	193	male	9179377867	62			2016-01-28	1	no		loud_snoring		yes	1	no	no	no			1	choice9	05:00:00.000	120
53	Sheelesh Sharma	195	male	9479908899	25			2016-02-02	0	no		loud_snoring		no	1	no	yes	yes	0	0	2	no	23:00:00.000	15
54	Santosh Kumar	198	male	9424481990	53			2016-02-02	1	no		loud_snoring		no	0	no	no	yes	0	0	0	no	23:00:00.000	10
55	Pankaj Joshi	202	male	9630095021	41			2016-02-11	0	no		hypersomnia loud_snoring		yes	1	yes	yes	yes	1	0	4	no	23:00:00.000	2
56	shibhash dubey	210	male	9009458389	70			2016-02-15	1	no		insomnia loud_snoring fatigability		yes	1	yes	yes	yes	0	0	7	choice9	00:00:00.000+05:3	5
57	Raghu singh chouhan	212	male	9630890220	66			2016-02-19	1	no		loud_snoring		yes	1	no	no	yes	0	0	1	no	20:00:00.000+05:3	7
58	Vinod Kumar pushpad	216	male	9425881050	49			2016-02-23	0	no		loud_snoring fatigability		no	1	no	no	yes	0	0	4	no	00:00:00.000+05:3	15
59	Anita vasudevan	221	female	9425378416	47			2016-02-25	0	no		loud_snoring		yes	0	no	yes	no			4	no	23:00:00.000+05:3	15
60	Sanjay vaishyapayan	229	male	9827314030	49			2016-03-15	0	no		hypersomnia loud_snoring		yes	1	yes	yes	yes	2	0	4	no	23:00:00.000+05:3	1
61	Bharaty sathe	236	male	9826240985	48			2016-03-17	0	no		hypersomnia loud_snoring		yes	1	yes	yes	yes	0	0	8	no	01:00:00.000+05:3	30
62	Yogesh sharma	240	female	9754372236	50			2016-02-19	1	no		loud_snoring pain_in_legs		yes	1	no	no	no			2	no	22:00:00.000+05:3	60
63	Aditya malhotra	248	male	9425606349	47			2016-08-08	0	no		loud_snoring pain_in_legs fatigability		yes	1	yes	yes	yes	5	1	1	choice9	22:00:00.000+05:3	15
64	shweta	249	female	9424485200	40			2016-08-02	0	no				yes	0	yes	no	yes	4	0	1	choice9	22:00:00.000+05:3	10
65	Saroj goyal	261	female	9200356166	52			2016-05-23	1	no		loud_snoring fatigability		no	1	no	yes	yes	0	0	3	no	11:00:00.000+05:3	30
66	randhir singh thakur	263	male	9981187030	46			2016-06-06	0	no		hypersomnia		yes	0	yes	yes	yes	0	0	0	no	23:00:00.000+05:3	15
67	Lakhan singh	265	male	9827010293	51			2016-06-07	1	no		hypersomnia loud_snoring		yes	0	no	yes	yes	0	0	2	no	23:00:00.000+05:3	5
68	mr K.L.thomas	273	male	9993075984	59			2016-06-28	1	no		loud_snoring pain_in_legs fatigability		yes	1	yes	yes	yes	0	0	4	no	22:30:00.000+05:3	30
69	kashi ram chouksey	276	male	9826546520	48			2016-06-08	0	no		hypersomnia loud_snoring pain_in_leg		yes	1	yes	yes	yes	2	2	1	no	21:30:00.000+05:3	30
70	Amita Shrivastava	278	female	9300918420	41			2016-07-12	0	no		loud_snoring fatigability		no	1	yes	yes	no			1	no	01:30:00.000+05:3	30

71	Usha sinha	279	female	9425004873	63	2016-07-19	1	no		hypersomnia loud_snoring pain_in_leg	yes		1	yes	yes	no			6	no	22:00:00.000+05:3	60
72	shyam mandhanya	281	male	9893079344	61	2016-07-23	1	no		hypersomnia loud_snoring	yes		1	no	no	no			3	no	22:30:00.000+05:3	10
73	Raj kishor choudhary	283	male	9039663843	34	2016-07-26	0	no		loud_snoring pain_in_legs fatigability	yes		1	no	no	yes	0	0	4	choice9	12:00:00.000	60
74	Mohini devi Agarwal	284	female	9039905464	75	2016-07-28	1	no		fatigability	yes		0	no	yes	no			2	choice9	23:00:00.000	10
75	Laxmi Narayan parmar	285	male	9424469060	60	2016-08-01	1	no		hypersomnia loud_snoring	yes		0	no	no	yes	0	0	0	no	21:30:00.000	3
76	Hari om chourasiya	286	male	9039922604	52	2016-08-01	1	no		loud_snoring fatigability	no		0	no	no	yes	0	0	5	no	01:00:00.000	5
77	Raj Kishore dwivedi	288	male	9827225662	47	2016-08-02	0	no		loud_snoring	yes		1	no	yes	yes	1	0	2	no	12:00:00.000	5
78	shilpi	291	female	9827242206	35	2016-08-17	0	no		loud_snoring fatigability	yes		1	yes	no	no			2	no	23:00:00.000	15
79	Mrs. shobha pathak	293	female	9425036770	62	2016-08-22	1	no		hypersomnia loud_snoring pain_in_leg	yes		1	no	yes	no			4	choice9	12:00:00.000	30
80	deepak chouksey	294	male	9303430005	43	2016-09-06	0	no		hypersomnia loud_snoring	yes		1	yes	yes	no			3	choice9	23:00:00.000	2
81	kamal prashad Mishra	295	male	9584360507	52	2016-09-10	1	no		insomnia loud_snoring pain_in_legs fa	yes		1	yes	yes	yes	2	0	3	choice9	22:30:00.000	60
82	Nuzhat sultana	296	female	9826532210	51	2016-09-12	1	no		hypersomnia pain_in_legs fatigability	yes		1	no	yes	no			3	choice9	12:00:00.000	30
83	H.M.RASHID	299	male	8871940123	58	2016-09-20	1	no		insomnia loud_snoring	no		1	no	no	no			0	no	19:00:00.000	120
84	Neeraj Agrawal	300	male	9893361599	47	2016-09-20	0	no		hypersomnia loud_snoring	yes		0	no	yes	yes	0	0	2	no	22:00:00.000	5
85	Ashok Kumar panday	302	male	9753844213	43	2016-09-20	0	no		hypersomnia loud_snoring fatigability	yes		1	no	yes	no			3	no	23:00:00.000	5
86	Gorav jain	304	male	9981643130	29	2016-09-22	0	no		hypersomnia insomnia loud_snoring	yes		0	yes	yes	no			2	no	23:30:00.000	10
87	c p pathak	307	male	9425036770	72	2016-10-04	1	no		loud_snoring	no		0	no	no	yes	0	0	0	no	23:30:00.000	5
88	Braj mohan tamrakar	309	male	9826885476	63	2016-09-28	1	no		hypersomnia loud_snoring pain_in_leg	yes		1	no	no	no			20	no	21:30:00.000	2
89	Anil kumar	314	male	9630239998	26	2016-10-18	0	no		loud_snoring	no		0	no	no	yes	0	0	1	no	02:00:00.000	15
90	Tara devi	316	female	9752417270	69	2016-10-18	1	no		hypersomnia loud_snoring fatigability	yes		1	yes	yes	no			2	no	22:30:00.000	10
91	V D BHALE	317	male	9425014424	73	2016-10-18	1	no		hypersomnia loud_snoring pain_in_leg	yes		1	yes	yes	yes	0	1	2	no	23:00:00.000	30
92	Kala gathe	328	female	8518830550	58	2016-11-29	1	yes		sob hypersomnia lc	1	yes	1	yes	yes	no			2	no	23:00:00.000	10
93	alka tiwari	331	female	9993365569	48	2017-07-15	0	yes	choice2	sob hypersomnia lc	4	yes	1	yes	yes	no			3	no	22:00:00.000	15
94	Surendra Singh	332	male	9827056090	49	2016-12-13	0	no		hypersomnia loud_	7	yes	1	yes	yes	yes	2	0	3	no	23:00:00.000	3
95	Ramayan prasad	334	male	9039676145	44	2016-12-23	0	no		hypersomnia loud_	6	no	0	no	yes	yes	0	0	0	no	22:00:00.000	10
96	Ganesh prasad asathi	336	male	9893899516	48	2017-07-20	0	no		hypersomnia loud_	4	yes	1	yes	yes	yes	0	0	2	no	22:00:00.000	20
97	Rakesh porwal	337	male	9993650610	53	2017-01-06	1	no		hypersomnia loud_	1	yes	1	yes	yes	yes	4	0	6	no	00:00:00.000	10
98	sanjay singh	340	male	9893433601	53	2017-01-27	1	no		hypersomnia loud_	20	yes	1	yes	yes	yes	1	0	5	no	23:00:00.000	15
99	Ashok kumar mishra	348	male	9485604785	59	2017-02-09	1	yes		hypersomnia loud_	5	yes	0	no	yes	yes	0	0	3	no	00:00:00.000	10
100	sadan kumar Shrivastava	349	male	8349698902	66	2017-02-13	1	no		loud_snoring pain_	4	no	0	no	no	no			2	no	23:00:00.000	2
101	Sandeep kumar	352	male	8989161659	37	2017-02-21	0	yes		sob hypersomnia lc	2	yes	1	yes	yes	yes	0	0	0	choice9	23:00:00.000	30
102	Moolchand singh	359	male	9826453761	54	2017-03-03	1	no		hypersomnia loud_	10	yes	1	no	yes	yes	0	0	6	no	22:00:00.000	15
103	Mahendra kumar singhai	363	male	9425040076	67	2017-03-07	1	yes		sob hypersomnia lc	1	yes	1	no	yes	yes	0	0	5	no	23:00:00.000	10
104	Chiman lal	364	male	9826778527	62	2017-03-08	1	yes	choice8	hypersomnia loud_	15	yes	1	yes	yes	yes	7	1	4	no	23:00:00.000	15
105	Rajkumar pardasani	371	male	9425004843	40	2017-03-21	0	no		loud_snoring pain_	1	yes	1	yes	no	yes	0	0	7	choice9	02:00:00.000	30
106	Alok malviya	374	male	9425300256	51	2017-03-23	1	no		pain_in_legs fatiga	4	yes	1	yes	yes	yes	5	1	8	no	23:30:00.000	3
107	Mahendra sharma	375	male	9425009225	60	2017-03-25	1	no		hypersomnia loud_	4	yes	0	yes	yes	yes	0	0	7	no	23:00:00.000	5
108	Kusum kanak	378	female	9111125577	65	2017-04-01	1	yes		loud_snoring pain_	4	yes	1	yes	yes	no			3	no	23:00:00.000	20
109	C M Mathew	380	male	8964949421	63	2017-04-06	1	no		hypersomnia loud_	3	yes	1	yes	yes	yes	0	0	2	no	23:30:00.000	10
110	Kusum	383	female	8889679236	60	2017-04-11	1	no		insomnia	1	no	1	yes	no	no			0	no	21:00:00.000	30
111	Ramprakash	384	male	9039032800	48	2017-04-13	0	no		hypersomnia loud_	5	yes	0	no	no	yes	1	0	2	no	23:00:00.000	5
112	Surekha yadav	387	female	9098016760	43	2017-04-26	0	yes		sob	10	yes	1	yes	yes	no			4	no	23:00:00.000	30
113	Anil Choubey	388	male	9425677006	60	2017-04-20	1	yes		sob insomnia	15	yes	1	yes	yes	yes	0	0	3	no	23:00:00.000	3
114	Rajeev lochan dubey	391	male	9893680437	43	2017-04-26	0	no		hypersomnia loud_	3	yes	1	yes	yes	yes	1	0	4	no	22:30:00.000	10
115	N. P. Singh	394	male	9425603494	57	2017-05-05	1	yes		sob loud_snoring fa	2	no	1	no	no	yes	0	0	5	no	23:00:00.000	15
116	Shanti Bai	396	female	9893204857	75	2017-05-01	1	no		insomnia loud_sno	3	yes	1	no	yes	no			2	no	21:00:00.000	1
117	Dr Sudhir rathore	397	male	9425131002	54	2017-05-04	1	no		loud_snoring noctu	3	no	0	no	yes	yes	0	0	3	no	23:00:00.000	30
118	sanjeev kapoor	398	male	9926673131	46	2017-05-25	0	yes	choice6	hypersomnia loud_	8	yes	1	yes	yes	yes	10	0	3	no	23:00:00.000	5
119	Balraj sahane	403	male	9893000690	68	2017-05-15	1	no		hypersomnia loud_	3	yes	0	no	no	yes	0	0	2	no	22:30:00.000	15
120	Sanjay gupta	405	male	9406026243	45	2017-05-22	0	no		hypersomnia loud_	10	yes	1	yes	yes	yes	4	0	5	no	23:30:00.000	10
121	Radhakishan patidar	406	male	8226019177	55	2017-05-22	1	yes		sob loud_snoring p	1	no	0	no	yes	yes	0	0	0	no	22:30:00.000	30
122	Yashpal mahadik	410	male	8120288954	61	2017-06-02	1	no		hypersomnia loud_	5	yes	1	yes	yes	no			3	no	00:00:00.000	20
123	Mohammad shafik	412	male	9329225441	59	2017-06-15	1	no		hypersomnia loud_	9	no	1	no	yes	yes	0	0	3	no	23:30:00.000	30
124	Sapan khare	413	male	9179932454	34	2017-06-13	0	no		loud_snoring	3	yes	1	yes	no	yes	0	0	4	no	23:30:00.000	2
125	Prashant soni	414	male	9425308746	40	2017-06-15	0	no		hypersomnia loud_	10	yes	1	yes	yes	yes	0	0	0	no	23:00:00.000	120
126	Janki raghuwanshi	421	female	9713746977	52	2017-07-06	1	yes	choice8	sob hypersomnia lc	1	yes	1	yes	yes	no			4	no	22:00:00.000	2
127	Nand kishore malviya	423	male	8109309013	69	2017-07-10	1	no		hypersomnia loud_	7	yes	1	yes	yes	no			2	no	21:00:00.000	5
128	Gouri Shankar lowanshi	426	male	9301701351	35	2017-07-18	0	no		hypersomnia loud_	5	yes	1	yes	yes	yes	0	0	2	no	23:00:00.000	5
129	Halima bee	435	female	9425668849	65	2017-08-04	1	yes	choice4	sob hypersomnia lc	5	yes	1	yes	yes	no			3	no	22:00:00.000	30
130	Dinesh rawat	437	male	7999005735	48	2017-08-12	0	yes	choice2	sob loud_snoring fa	1	no	1	no	no	yes	0	0	4	no	01:00:00.000	120
131	Deepak Shrivastava	442	male	9981069327	59	2017-09-06	1	no		hypersomnia loud_	2	yes	1	yes	yes	yes	0	0	0	no	23:30:00.000	30
132	N.K. Malviya	445	male	9630681098	61	2017-09-12	1	yes	choice2	sob hypersomnia lc	15	yes	0	no	yes	no			7	no	22:00:00.000	10
133	K.N. Malviya	446	male	9179271187	57	2017-09-12	1	yes	choice4	sob hypersomnia lc	20	yes	1	yes	yes	yes	0	0	3	no	22:00:00.000	5
134	Deepak kumar gupta	448	male	9425344859	61	2017-09-16	1	yes	choice4	sob hypersomnia lc	25	yes	1	yes	yes	no			4	choice9	22:01:00.000	5
135	Bhavna mafidar	449	female	9300480854	42	2017-09-15	0	no		hypersomnia loud_	8	yes	1	yes	yes	yes	0	0	0	no	22:30:00.000	10
136	Bindu raghuwanshi	451	female	9993185949	49	2017-09-26	1	no		hypersomnia loud_	5	yes	1	yes	yes	no			3	no	23:00:00.000	30
137	Kamla patel	453	female	9165528409	65	2017-09-29	1	no		insomnia loud_sno	1	yes	1	no	yes	no			2	no	23:00:00.000	10
138	Jyoti Sharma	458	female	8839151680	43	2022-03-28	0	yes	choice8	sob insomnia loud_	1	yes	1	yes	yes	no			5	no	22:30:00.000	30
139	Pushpa	459	female	8602200128	52	2017-10-25	1	yes	choice8	sob hypersomnia lc	5	yes	1	yes	yes	no			0	no	23:01:00.000	5
140	Shakunthala	461	female	9425007855	65	2017-11-24	1	no		hypersomnia loud_	5	yes	1	yes	yes	no			3	no	22:00:00.000	5
141	Rabindra panicker	465	male	9827210088	75	2017-12-11	1	no		hypersomnia loud_	4	yes	0	no	yes	no			1	no	23:30:00.000	30
142	Ghayasuddin Ahmad	466	male	9826460437	80	2017-12-16	1	no		hypersomnia loud_	5	yes	1	yes	yes	no			4	no	23:00:00.000	30
143	Bharat bhushan sharma	469	male	9425017715	55	2017-12-29	1	no		hypersomnia loud_	5	yes	1	yes	yes	yes	3	0	10	no	01:30:00.000	2
144	Lakhan kuchbandiya	470	male	7470559669	45	2018-01-02	0	yes	choice6	sob hypersomnia lc	4	yes	1	yes	yes	no			4	no	21:00:00.000	10
145	Rajendra nagariya	472	male	9575016335	53	2018-01-09	1	yes	choice2	sob hypersomnia lc	10	yes	1	yes	yes	yes	0	0	3	no	22:00:00.000	30
146	Sodan Singh rathore	475	male	9425674970	71	2018-01-16	1	no		hypersomnia loud_	35	yes	0	no	yes	yes	0	0	2	no	22:30:00.000	5

147	Vijay kumar saxena	484	male	9826285884	58	2018-02-13	1	yes	choice2	sob hypersomnia lc	10	yes	0	no	yes	yes	0	0	4	no	23:00:00.000	5
148	Rakesh kumar goyal	489	male	9826086521	61	2018-03-03	1	yes	choice2	sob hypersomnia lc	3	yes	1	yes	yes	yes	0	0	4	no	22:30:00.000	60
149	Meera wadhwani	491	female	9827748858	74	2018-03-16	1	yes	choice2	sob hypersomnia lc	8	yes	1	yes	yes	no			2	no	22:30:00.000	10
150	Nirmala Shukla	499	female	9752259829	42	2018-04-11	0	no		hypersomnia loud_	15	yes	1	yes	yes	no			2	no	23:00:00.000	60
151	Dashrath Raikwar	500	male	9755621345	55	2018-04-25	1	yes	choice6	hypersomnia loud_	1	yes	1	yes	yes	no			2	no	22:30:00.000	60
152	Vinita Rajput	504	female	9165150719	46	2018-05-11	0	no		loud_snoring pain_	6	no	0	no	no	no			2	no	22:00:00.000	20
153	Harpreet Singh Kumar	506	male	9630070544	36	2018-05-18	0	no		hypersomnia loud_	4	yes	1	yes	yes	yes	2	0	7	no	00:00:00.000	2
154	Hemant Kumar Jain	507	male	9893257349	42	2018-05-25	0	no		hypersomnia loud_	4	yes	1	no	no	yes	0	0	2	no	00:00:00.000	20
155	Daraksha khan	516	female	8109246209	48	2018-05-05	0	yes	choice2	sob hypersomnia lc	7	yes	1	yes	yes	no			1	no	00:00:00.000	30
156	Leela Devi Ahirwar	519	female	9425455876	67	2018-06-12	1	no		hypersomnia loud_	2	yes	1	no	yes	no			2	no	22:00:00.000	5
157	Sujoy Aich	523	male	9425373169	44	2018-06-18	0	yes		loud_snoring	6	no	0	no	no	yes	0	0	6	no	22:30:00.000	5
158	Uttam Bai	525	female	8878870332	75	2018-06-21	1	yes	choice8	sob hypersomnia lc	3	yes	1	yes	yes	no			2	no	22:30:00.000	180
159	Tushar Naik	526	male	9425539663	32	2018-06-25	0	no		loud_snoring	15	no	0	no	no	yes	0	0	0	no	23:00:00.000	15
160	S. K. Sharma	527	male	9425458355	73	2018-07-09	1	yes	choice8	sob hypersomnia lc	25	yes	0	yes	yes	yes	0	0	3	no	22:00:00.000	120
161	Rajneesh Singhai	529	male	9425300310	49	2018-07-10	0	no		loud_snoring	23	no	0	no	yes	yes	0	0	5	no	00:00:00.000	5
162	Sanjay Kumar Mahendra	530	male	9340511713	59	2018-07-12	1	no		hypersomnia loud_	15	yes	1	yes	yes	yes	0	0	4	no	22:30:00.000	5
163	Sukhdev Gadekar	533	male	9754085854	57	2018-07-13	1	yes	choice8	sob hypersomnia p	5	no	1	no	yes	yes	0	0	2	no	21:30:00.000	5
164	Ram lal yadav	538	male	8109120347	60	2018-08-08	1	yes	choice8	sob hypersomnia lc	10	yes	1	yes	yes	no			2	no	22:00:00.000	30
165	Mahilal Rajak	539	male	8964021717	46	2018-08-14	0	no		loud_snoring pain_	6	yes	1	yes	yes	yes	0	0	2	no	22:00:00.000	10
166	Naveen Kumar Bharti	541	male	8871114073	30	2018-08-25	0	no		hypersomnia loud_	4	yes	0	no	yes	yes	0	0	1	no	00:00:00.000	5
167	Gopal krishna Chandak	546	male	9425812121	59	2018-08-09	1	no		hypersomnia loud_	20	yes	0	yes	yes	yes	2	0	4	no	23:00:00.000	5
168	Shashikant Gupta	549	male	9826029130	46	2018-09-06	0	no		hypersomnia loud_	2	yes	0	no	yes	yes	0	0	2	no	23:00:00.000	10
169	Kishver jahan	552	female	8959965564	52	2017-12-10	1	no		hypersomnia loud_	5	yes	1	yes	yes	no			2	no	00:30:00.000	5
170	Anurag Deo	553	male	7000597968	27	2018-12-07	0	no		hypersomnia loud_	6	yes	0	no	yes	yes	0	0	3	no	23:30:00.000	5
171	Manjeet lal katyal	558	male	9425604834	57	2017-10-29	1	no		hypersomnia fatiga	2	no	1	yes	no	yes	0	0	3	no	22:00:00.000	60
172	Dilip Kumar Mandoloi	560	male	9926312799	62	2017-11-15	1	no		hypersomnia loud_	8	yes	1	yes	yes	yes	0	0	3	no	23:00:00.000	120
173	Pawan Kumar Idnani	563	male	9893732286	47	2018-11-29	0	no		hypersomnia loud_	4	yes	1	yes	yes	yes	0	0	2	no	00:30:00.000	15
174	Kodeeswaran	566	male	9303110964	51	2018-12-03	1	no		hypersomnia loud_	20	yes	1	yes	yes	yes	1	1	2	no	22:30:00.000	5
175	Deependra Agarwal	568	male	9981959888	44	2018-12-05	0	yes	choice2	sob hypersomnia lc	5	yes	1	yes	yes	yes	0	0	3	no	22:00:00.000	60
176	Manak Chand Choure	576	male	9907337468	63	2018-12-18	1	yes	choice2	sob hypersomnia lc	2	yes	1	yes	yes	no			4	no	22:00:00.000	10
177	Ram bachan Singh yadav	577	male	9981306138	66	2018-12-20	1	no		hypersomnia loud_	2	yes	0	no	yes	yes	0	0	4	no	23:00:00.000	5
178	S. K. Majumdar	585	male	8839978457	52	2019-01-21	1	yes	choice2	sob hypersomnia ir	10	yes	1	yes	yes	yes	0	0	0	no	22:00:00.000	10
179	Rajkumar solanki	587	male	8007187128	24	2021-01-21	0	no		hypersomnia insom	5	yes	1	yes	yes	yes	0	0	0	no	22:00:00.000	90
180	Prembai Rajput	594	female	8959126612	73	2019-01-28	1	yes	choice2	sob loud_snoring p	10	no	1	yes	no	no			3	no	22:00:00.000	60
181	Nalawada Rohit Dilip	595	male	7020771454	25	2019-01-29	0	no		loud_snoring fatiga	15	no	1	no	no	no			3	no	23:00:00.000	10
182	Shashi Ranjan	596	male	9589585072	45	2019-01-31	0	no		hypersomnia loud_	10	yes	1	yes	yes	yes	0	0	2	no	22:00:00.000	8
183	Shahbano	597	female	9893544471	52	2019-02-05	1	yes	choice2	sob hypersomnia lc	1	yes	1	yes	yes	no			2	no	01:00:00.000	30
184	R. N. Varma	603	male	9826265227	53	2019-02-12	1	no		hypersomnia insom	20	yes	0	yes	yes	yes	0	0	0	no	21:00:00.000	180
185	Vipin Chouksey	606	male	9827056995	42	2019-02-21	0	no		hypersomnia loud_	5	yes	1	yes	yes	yes	0	0	3	no	23:30:00.000	5
186	Rambagas Ahirwar	608	male	9406945423	60	2019-02-21	1	yes	choice2	sob hypersomnia lc	10	yes	1	yes	yes	no			1	no	22:00:00.000	60
187	Neelkamal Gupta	611	male	9993936624	46	2019-02-25	0	no		hypersomnia loud_	5	yes	1	no	yes	yes	0	0	6	no	00:00:00.000	30
188	sushil kumar Tiwari	612	male	9039929715	36	2019-02-26	0	no		hypersomnia loud_	15	yes	1	yes	yes	yes	0	0	2	no	22:00:00.000	10
189	Rajkumar Shrivastava	615	male	9425022624	58	2019-03-01	1	no		hypersomnia loud_	20	yes	1	yes	yes	yes	0	0	3	no	23:30:00.000	2
190	Chandrashekhar Chaturvedi	618	male	9424416972	63	2019-04-14	1	no		hypersomnia loud_	15	yes	0	no	yes	yes	0	0	2	no	22:00:00.000	5
191	K.P Sharma	619	male	9425165998	73	2019-03-14	1	no		hypersomnia loud_	7	yes	1	no	yes	yes	0	0	2	choice9	22:30:00.000	5
192	Anil Kumar Patel	623	male	7587608809	34	2019-03-19	0	no		loud_snoring	10	no	0	no	yes	yes	0	0	1	no	21:00:00.000	3
193	Usha Sharma	624	female	9300790199	58	2019-03-19	1	no		loud_snoring	6	no	0	no	no	yes	0	0	5	no	10:00:00.000	5
194	Devendra Thakur	626	male	9425077985	57	2019-03-25	1	no		hypersomnia loud_	7	yes	1	yes	yes	yes	0	0	2	no	23:00:00.000	3
195	Rajeev Shrivastava	627	male	9425009970	52	2019-03-25	1	no		loud_snoring	7	no	0	no	no	yes	0	0	4	no	22:00:00.000	10
196	Shankar	637	male	8878629068	60	2019-04-28	1	yes	choice8	sob loud_snoring p	10	no	1	no	yes	no			2	no	23:00:00.000	10
197	Joginder Singh sain	644	male	9893331351	47	2019-05-08	0	no		hypersomnia loud_	2	yes	1	no	yes	yes	0	0	0	no	22:30:00.000	5
198	Rakesh Sharma	645	male	9753117755	48	2019-05-13	0	no		hypersomnia noctu	5	yes	0	no	yes	yes	0	0	2	no	22:00:00.000	15
199	Ram Naresh Bhuriya	647	male	8319026044	38	2019-05-27	0	no		hypersomnia loud_	1	yes	1	no	yes	yes	0	0	5	no	22:30:00.000	10
200	Rita James	657	female	8989270570	51	2019-06-13	1	no		sob hypersomnia lc	7	yes	1	yes	yes	no			2	no	23:00:00.000	5
201	Rosemary Barnabas magilampu	659	female	9981009666	62	2019-06-14	1	no		hypersomnia loud_	5	yes	1	yes	yes	no			2	no	22:30:00.000	2
202	Chaturbhuj	665	male	9584840301	59	2019-07-08	1	yes	choice8	sob hypersomnia lc	5	yes	1	yes	no	no			6	no	21:00:00.000	10
203	Jitendra Singh Chouhan	669	male	9425602403	41	2019-07-17	0	no		sob insomnia loud_	7	no	1	yes	no	yes	0	0	3	no	23:00:00.000	120
204	Bala Prasad	670	male	9109512923	65	2019-07-19	1	no		loud_snoring pain_	1	no	1	no	no	no			2	no	23:00:00.000	30
205	Pratibha mittal	673	female	9893505865	48	2019-07-25	0	yes	choice8	nonrefreshing_slee	25	no	1	yes	no	yes	0	0	0	no	00:30:00.000	60
206	Nand ram Sahu	674	male	9009069872	74	2019-07-26	1	yes	choice8	sob hypersomnia lc	1	yes	1	yes	yes	no			2	no	22:00:00.000	5
207	Krishna Reddy	677	male	8435148745	79	2019-08-02	1	yes	choice8	hypersomnia	10	yes	1	yes	yes	no			8	no	22:00:00.000	10
208	Vinod Bharti	682	male	9685159130	52	2019-08-22	1	no		loud_snoring fatiga	2	yes	1	yes	yes	yes	1	0	1	no	22:00:00.000	30
209	Damyanti Panthi	687	female	9826836609	57	2019-09-03	1	no		loud_snoring pain_	3	no	1	no	no	no			4	no	23:00:00.000	180
210	Sangeeta Gupta	688	female	7898007060	49	2019-09-06	0	yes	choice8	sob	2	no	1	no	yes	no			3	no	11:00:00.000	30
211	Leela Bai	695	female	9826056965	73	2019-09-23	1	yes	choice8	sob hypersomnia	10	yes	1	yes	yes	no			1	no	22:00:00.000	10
212	Nasir Ahsan Fazli	696	male	7869390996	57	2019-09-23	1	no		loud_snoring	14	no	0	yes	no	yes	1	6	3	choice9	23:00:00.000	15
213	Rukhmani Tiwari	699	female	9407511452	67	2019-09-25	1	yes	choice2	sob loud_snoring	5	no	0	no	no	no			3	no	22:00:00.000	60
214	Sher Singh Chourasiya	700	male	7581870873	66	2019-09-28	1	yes	choice8	insomnia	12	no	1	yes	no	no			2	no	20:00:00.000	30
215	Arun Gupta	701	male	6263000975	57	2019-09-30	1	yes	choice8	sob	2	yes	1	yes	yes	yes	0	0	2	no	00:00:00.000	60
216	Mohammad Sadiq	705	male	9425393598	61	2019-10-11	1	yes	choice2	sob insomnia	19	yes	1	yes	no	no			2	no	22:00:00.000	30
217	Avinash	706	male	9229230084	64	2019-10-14	1	yes	choice2	sob loud_snoring	10	yes	0	yes	yes	yes	0	0	1	no	23:00:00.000	20
218	Sumit Sarathe	712	male	7879793129	24	2019-11-07	0	no		loud_snoring	3	no	1	no	yes	yes	0	0	5	no	01:00:00.000	10
219	Pancham Lal Bhat	713	male	9329321635	61	2019-11-07	1	yes	choice2	sob hypersomnia	10	yes	1	yes	yes	no			5	no	23:00:00.000	20
220	Mukesh Srivastava	714	male	8871841151	37	2019-11-09	0	no		hypersomnia loud_	6	yes	1	yes	yes	yes	0	0	2	no	23:00:00.000	5
221	Harnaam Singh	722	male	9575047352	55	2019-11-23	1	yes	choice2	sob insomnia loud_	5	yes	1	no	yes	no			2	no	22:00:00.000	120
222	Kishori Lal	726	male	9826880933	70	2019-11-29	1	yes	choice6	sob insomnia loud_	1	yes	1	yes	yes	yes	0	0	3	no	22:00:00.000	15

223	Manju Pathak	728	female	98260408888	55	2019-11-29	1	yes	choice2	insomnia loud_sno	11	yes	1	no	no	no			8	choice9	22:00:00.000	60
224	Murari Yadav	738	male	9424485210	48	2019-12-14	0	yes	choice6	sob hypersomnia lc	5	yes	1	yes	yes	no			2	no	22:00:00.000	120
225	Sunil Kumar Rabuda	739	male	7999269741	62	2019-12-16	1	yes	choice2	sob insomnia loud_	9	no	1	no	no	yes	0	0	3	no	23:00:00.000	20
226	Sharda Devi Malaviya	743	female	9009557763	58	2019-12-19	1	no		sob insomnia loud_	1	yes	1	yes	yes	no			2	no	23:00:00.000	60
227	Zahid Anwar	744	male	9425014147	57	2019-12-20	1	yes	choice2	sob hypersomnia lc	15	yes	1	no	no	no			6	no	00:30:00.000	2
228	Mohd Sami	753	male	9179392919	30	2019-12-27	0	yes	choice2	loud_snoring fatiga	2	yes	1	no	no	yes	3	0	2	no	00:30:00.000	10
229	Manju Gupta	756	male	9752099078	36	2020-01-06	0	yes	choice2	sob hypersomnia lc	1	yes	1	no	yes	no			5	no	21:00:00.000	15
230	Dilip Chouhan	757	male	9926359676	47	2020-01-07	0	yes	choice2	sob loud_snoring fa	1	yes	1	no	yes	yes	0	0	5	no	22:30:00.000	30
231	Kamal Kishor Gour	758	male	7770815729	60	2020-01-11	1	yes	choice2	loud_snoring	1	yes	1	yes	yes	no			4	no	22:00:00.000	20
232	Kailash Pohwani	760	male	9826340815	50	2020-01-14	1	yes	choice2	hypersomnia loud_	1	yes	1	yes	yes	yes	0	0	2	no	23:30:00.000	15
233	Muin Qureshi	763	male	9826222939	43	2020-01-30	0	yes	choice2	sob hypersomnia lc	1	yes	1	yes	yes	yes	2	0	8	no	01:00:00.000	15
234	Manoj Khalkho	767	male	9425604205	65	2020-02-11	1	yes		sob loud_snoring	1	yes	0	no	yes	yes	0	0	2	no	22:00:00.000	15
235	Basant Soni	769	male	8989160458	42	2020-02-17	0	yes	choice6	sob hypersomnia lc	10	yes	1	yes	yes	yes	20	0	2	choice9	22:00:00.000	10
236	Kasdhan Masatkar	770	male	9479649435	70	2020-02-20	1	yes	choice2	sob pain_in_legs fa	2	yes	1	yes	yes	no			2	no	21:00:00.000	30
237	Chintamani Adivasi	774	male	7723809745	55	2020-03-02	1	yes	choice6	sob insomnia pain_	5	no	0	no	no	no			10	no	20:00:00.000	240
238	Kusum Mundde	776	female	9926676214	56	2020-03-06	1	yes	choice6	sob hypersomnia lc	10	yes	1	yes	yes	no			2	no	23:00:00.000	5
239	Kamla Bai	782	female	7581060078	60	2020-09-13	1	no		insomnia	1	yes	0	no	yes	no			2	no	22:00:00.000	30
240	Ballabh Sahu	792	male	7838945273	30	2020-01-14	0	no		hypersomnia loud_	2	yes	1	yes	yes	yes	0	0	4	no	00:00:00.000	30
241	Vina Shrivastava	793	female	6261717318	52	2021-01-18	1	yes	choice2	sob insomnia loud_	3	yes	1	yes	yes	no			3	no	23:30:00.000	20
242	Sampat Bai	794	female	9009167854	65	2021-01-18	1	no		loud_snoring pain_	8	yes	1	no	yes	no			3	no	21:00:00.000	60
243	Meena Ahirwar	796	female	9685818272	45	2021-01-18	0	no		sob hypersomnia lc	5	yes	1	no	yes	no			1	no	21:30:00.000	10
244	Krishna Rao	799	male	8989506709	65	2021-02-11	1	yes	choice2	sob insomnia loud_	1	yes	1	no	no	yes	0	0	2	no	22:00:00.000	30
245	Anil Saini	800	male	9977113311	48	2021-02-20	0	no		loud_snoring	5	no	0	no	yes	yes	0	0	2	no	23:00:00.000	15
246	Kalavati Singh	803	female	9755055952	59	2021-02-27	1	yes	choice4	sob insomnia loud_	5	yes	1	yes	yes	no			3	no	21:00:00.000	45
247	Richa Singh	811	female	9770832838	31	2021-03-27	0	no		hypersomnia loud_	8	no	1	no	yes	yes	0	0	2	no	00:00:00.000	5
248	GOURAB CHAUBEY	814	male	9039903156	32	2021-06-26	0	yes		sob loud_snoring	2	no	0	no	no	yes	0	0	3	no	23:00:00.000	15
249	Minakshi Khaira	815	female	9926247010	40	2021-06-29	0	no		hypersomnia loud_	5	no	1	yes	no	no			2	no	23:00:00.000	60
250	M M Dutta	820	male	9977133428	70	2021-07-05	1	no		hypersomnia loud_	49	yes	1	yes	yes	yes	1	0	3	no	22:30:00.000	5
251	Manish Dabhade	821	male	9595957702	34	2021-07-06	0	yes		hypersomnia insom	15	yes	1	yes	yes	no			3	no	00:30:00.000	30
252	Anita Jain	824	female	6266220443	51	2021-07-22	1	no		hypersomnia loud_	20	yes	1	yes	yes	no			2	no	23:00:00.000	15
253	R B L Shrivastava	825	male	9425001611	62	2021-07-22	1	no		hypersomnia loud_	5	yes	1	yes	yes	yes	0	0	2	no	23:00:00.000	5
254	Jyoti Saxena	832	female	7879403530	62	2022-06-14	1	yes	choice4	hypersomnia	30	yes	0	no	yes	yes	0	0	6	no	23:00:00.000	5
255	Madhu Khandel	839	female	9424468805	62	2021-08-16	1	yes	choice6	sob loud_snoring n	1	no	1	no	no	no			4	no	00:00:00.000	60
256	Munni Devi Shrivastava	840	female	9165247639	67	2021-08-17	1	yes	choice2	sob insomnia loud_	1	no	1	no	no	no			2	no	23:00:00.000	20
257	Reena Devi Rao	841	female	9893617832	39	2021-08-19	0	no		insomnia fatigabilit	5	no	1	yes	no	no			4	no	23:00:00.000	60
258	Parveen Sultan	843	female	8299165559	52	2021-08-24	1	yes	choice6	sob nocturia	15	yes	1	no	yes	no			3	no	23:00:00.000	30
259	I K Upnare	844	male	9827525994	55	2021-08-24	1	no		insomnia loud_sno	1	yes	1	yes	no	yes	0	0	3	no	00:00:00.000	15
260	Pooja Rajput	847	female	9993690507	46	2021-09-03	0	yes	choice6	sob insomnia loud_	0	yes	1	yes	yes	no			2	no	23:00:00.000	7
261	Pavirala Rama Mohana Rao	850	male	9441345122	61	2021-07-02	1	no		loud_snoring noctu	0	no	0	no	yes	yes	1	0	2	no	21:30:00.000	10
262	Niranjan Sharma	864	male	9425006102	55	2021-10-23	1	yes		sob hypersomnia lc	25	yes	1	yes	yes	yes	20	2	10	no	00:00:00.000	5
263	Manju Mandal	865	female	9340990043	39	2021-10-27	0	yes	choice4	sob loud_snoring p	6	no	0	no	yes	no			1	choice9	23:00:00.000	30
264	Manju Saxena	866	female	9827237750	60	2021-10-27	1	yes	choice8	sob hypersomnia n	5	no	1	no	yes	yes	0	0	3	no	23:00:00.000	60
265	Santosh kumar	870	male	9135990663	20	2021-11-19	0	no			5	no	0	no	yes	yes	0	0	0	no	21:00:00.000	30
266	kranti Bai	955	female	9926199748	45	2022-07-18	0	yes	choice6	sob fatigability non	0	no	1	no	yes	no			4	no	11:00:00.000+05:3	60

25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
usually_how_many	usually_at_what_ti	how_many_hours_	what_is_your_pref	do_you_snore_lou	have_you_ever_be	do_you_wake_up_	do_you_wake_up_	do_you_frequently	has_your_bed_par	how_many_times_	after_how_many_f	do_you_have_any_	do_you_have_an_i	RLS_increases_on_	RLS_nocturnal	do_you_smokeche	do_you_drink_alco	heart_disease	high_blood_pressu	high_cholesterollip	diabetes_mellitus	thyroid_problems	asthma_or_emphy	History_of_depres	headache
3	07:00:00.000	6	back	1	1	yes	yes	no	no	3	3	sleep_talking	0			choice1	no	no	no	no	no	no	no	no	no
1	07:00:00.000	9	side	1	0	no	yes	no	no	1	4		0			no	no	no	yes	no	yes	no	no	no	no
2	06:00:00.000	7	side	1	1	yes	yes	yes	no	2	3	sleep_talking	0			no	no	no	yes	no	yes	no	no	no	yes
3	06:00:00.000	6.5	side	1	0	no	yes	no	no	3	2	none_of_the_abov	0			no	no	no	no	no	no	no	no	no	no
2	06:00:00.000	7	side	1	0	no	yes	no	no	2	3	none_of_the_abov	0			no	no	no	no	no	no	no	no	no	no
1	05:00:00.000	5	back	1	0	no	no	yes	no	1	4		0			no	no	no	yes	no	no	no	no	no	yes
2	06:00:00.000	6	side	1	0	no	yes	yes	yes	2	3		1	1	1	no	no	no	no	no	no	no	no	no	yes
5	06:00:00.000	6	back	1	1	no	yes	yes	yes	5	1	sleep_talking	1	0	0	yes	yes	no	yes	no	yes	no	no	no	no
0	06:00:00.000	6	side	1	1	yes	yes	no	no	0			0			no	no	no	yes	no	yes	no	no	no	no
2	06:00:00.000	5	back	1	0	no	yes	no	no	2	2		0			yes	yes	no	yes	no	no	no	no	no	no
1	05:00:00.000	6	side	1	1	no	yes	no	yes	1	1		1	0	1	no	no	no	no	no	no	no	no	no	no
1	07:00:00.000	6	back	1	1	yes	yes	no	no	1			0			yes	yes	no	no	no	no	no	no	no	no
0	07:00:00.000	6	side	1	0	no	yes	yes	yes	0			0			no	no	yes	no	no	no	no	no	no	no
2	06:00:00.000+05:3	6	side	1	0	yes	yes	no	no	2	7		0			no	no	no	no	no	no	no	no	no	no
0	08:00:00.000	7	side	1	1	no	no	no	yes	0			0			yes	yes choice2	no	yes	yes	no	no	no	no	no
5	06:00:00.000	7	side	1	1	yes	yes	no	no	4	2		0			no	no	no	yes	no	yes	no	no	no	no
1	06:00:00.000	6	side	1	0	no	yes	yes	no	0			0			no	no	no	no	no	no	no	no	no	no
4	07:00:00.000	7	side	1	1	yes	yes	yes	yes	4	3		1	1	1	no	no	no	no	no	no	yes	no	no	no
4	06:00:00.000	6	side	1	0	no	yes	yes	no	4	2		0			yes	no	no	no	no	no	no	no	no	no
0	06:00:00.000	7	back side	1	0	no	yes	no	yes	0		none_of_the_abov	0			no	no	no	no	no	no	no	no	no	no
1	07:00:00.000	4	side	1	0	no	no	no	yes	1	3	sleep_talking	0			no	no	no	yes	no	no	no	no	no	no
1	06:03:00.000	6	side	1	0	no	no	no	no	1			0			yes	no	no	no	no	yes	no	no	no	no
7	08:00:00.000	7	side	1	1	yes	yes	no	no	2	4		0			yes	no	no	no	no	yes	no	no	no	no
4	07:00:00.000	6	back	1	0	no	yes	no	no	4	2		0			yes	yes	no	no	no	no	no	no	no	no
0	07:00:00.000	8	side	1	0	no	no	no	yes	0			1	1	1	no	no	no	no	no	no	yes	no	no	no
2	06:00:00.000	9	back	1	0	no	no	no	no	1	3		0			yes	no	yes	yes	yes	yes	no	no	no	no
2	09:00:00.000	8	back	0	0	yes	no	no	no	2	2	none_of_the_abov	1	1	1	no	no	no	no	no	yes	no	no	no	no
4	06:00:00.000	6	side	0	1	yes	yes	no	no	4	3	none_of_the_abov	0			yes	yes	no	no	no	no	no	no	no	no
2	02:00:00.000	4	side	0	0	no	no	no	no	2	3		1	1	1	no	no	yes	yes	yes	no	yes	no	no	no
1	06:00:00.000	6	side	1	1	yes	no	no	no	1	2		0			no	no	yes	yes	no	no	no	no	no	no
2	05:03:00.000	5	side	1	0	no	no	yes	no	2	2		0			no	no	no	no	no	no	no	no	no	yes
0	05:03:00.000	7	side	1	0	no	no	no	no	0			0			no	no	no	no	no	no	no	no	no	no
1	07:03:00.000	6	back	1	1	no	yes	yes	no	0			1	1	1	no	no	no	yes	no	no	no	no	no	yes
3	07:00:00.000	6	side	1	0	no	yes	no	no	3	2	sleep_talking	0			no	no	no	yes	no	no	no	no	no	no
0	06:00:00.000	7	back	1	0	no	no	no	no	0			0			no	no	no	no	no	no	no	no	no	no
3	09:00:00.000	8	side	1	1	yes	yes	no	no	3			0			no	no	no	no	no	no	no	no	no	no
1	04:45:00.000	5	side	1	0	no	no	no	no	1			0			no	no	yes	yes	no	no	no	no	no	no
3	04:03:00.000	5	side	1	0	no	no	no	yes	3	2	sleep_talking	0			yes	yes	no	yes	no	no	no	yes	no	no
2	06:03:00.000	6	side	1	1	yes	yes	no	no	0			0			no	yes	no	no	no	no	no	no	no	no
0	05:00:00.000	7	side	1	0	yes	no	no	no	0			0			no	no	no	no	no	no	no	no	no	no
1	06:00:00.000	7	side	1	0	no	no	no	no	1	4		0			no	no	no	yes	no	yes	no	no	no	no
2	06:00:00.000	8	back	1	1	yes	yes	no	no	2			0			no	no	no	no	no	no	no	no	no	no
1	06:00:00.000	7	back	1	0	no	no	no	no	1	4		1	0	0	no	no	no	no	no	no	no	no	no	no
4	07:03:00.000	6	back	1	0	no	no	no	no	3	3		0			choice1	no	no	yes	yes	no	no	yes	no	no
1	05:03:00.000	5	side	1	0	no	yes	no	no	0			0			no	no	no	yes	no	no	no	no	yes	no
2	05:03:00.000	5	back	1	1	yes	no	no	no	2	2	sleep_talking eatin	0			choice1	no	yes	yes	no	yes	no	no	no	no
4	06:00:00.000	7	side	0	0	no	no	yes	no	0			0			no	no	no	no	no	no	no	no	no	yes
3	08:00:00.000	8	back	1	1	yes	yes	no	no	2	2		0			no	no	no	no	yes	no	no	no	no	no
2	06:00:00.000	7	back	1	0	yes	yes	no	no	2	2		0			no	no	no	no	no	yes	no	no	no	no
4	12:00:00.000	4	side	1	1	yes	yes	no	no	4		sleep_talking	0			no	no	no	no	yes	yes	yes	no	no	no
1	07:15:00.000	7	side	1	0	yes	yes	no	yes	0		sleep_talking	1	1	0	choice1	yes	no	no	no	no	no	no	no	yes
0	06:00:00.000	7	side	1	0	no	no	no	no	0			0			no	no	no	no	no	no	no	no	no	no
4	07:00:00.000	6	side	1	1	yes	yes	no	no	4	2	sleep_talking eatin	0			choice1	no	no	no	no	no	no	no	no	no
3	08:03:00.000+05:3	7.5	side	1	0	yes	yes	no	no	3	2	sleep_talking night	1	1	1	no	no	yes	yes	yes	no	no	yes	no	no
20	03:00:00.000+05:3	4	side	1	1	yes	yes	yes	no	10	1	sleep_talking night	0			no	no	no	no	yes	no	yes	yes	yes	no
2	08:00:00.000+05:30		stomach	1	0	no	no	no	no	2	4	sleep_talking	0			no	no	no	no	no	no	no	no	no	no
1	06:00:00.000+05:30		side	1	1	yes	no	no	no	1			0			no	no	yes	yes	no	yes	yes	no	no	no
2	07:00:00.000+05:3	6	side	1	1	yes	yes	yes	yes	2	3		0			no	no	yes	yes	no	no	no	yes	no	no
3	08:00:00.000+05:3	7	stomach	1	1	yes	no	no	yes	1	4	sleep_talking night	1	1	0	no	no	no	yes	no	yes	no	no	no	no
3	05:00:00.000+05:3	6	back	1	0	yes	yes	yes	no	3	30		1	1	1	no	no	no	yes	yes	no	no	yes	yes	yes
2	07:00:00.000+05:3	8	side	1	1	yes	yes	no	yes	1	4		1	1	1	no	no	no	no	no	no	no	yes	yes	yes
1	05:00:00.000+05:3	6.5	back	1	0	yes	yes	no	no	1			0			no	no	no	no	no	no	no	no	no	yes
3	07:00:00.000+05:3	7	back	1	1	yes	yes	no	no	2			0			no	no	no	no	yes	no	no	no	no	no
2	07:00:00.000+05:30		back	1	1	yes	yes	no	no	2		sleep_talking	0			no	no	no	no	no	no	no	no	no	no
1	06:00:00.000+05:3	6.5	back	1	0	no	no	no	no	1	6		0			yes	no	no	no	no	no	no	no	no	no
1	06:00:00.000+05:3	7	side	1	0	no	no	no	no	1			1	1	1	no	yes	no	yes	no	no	no	no	no	no
3	06:30:00.000+05:3	8	side	1	1	yes	yes	no	no	3	4		0			no	no	no	yes	no	yes	no	yes	no	no
30	08:30:00.000+05:3	7.5	side	1	1	yes	yes	no	no	3	2		0			no	no	no	yes	yes	yes	yes	no	yes	no

1	06:00:00.000+05:3	6	stomach	1	1	no	yes	yes	no	1	4	sleep_talking	0		no	no	no	yes	no	yes	no	no	no	yes
1	06:00:00.000+05:3	6.5	back	1	0	yes	yes	no	no	1	5	sleep_talking	0		no	no	no	no	no	no	no	no	no	no
3	07:00:00.000	5.3	side	1	1	yes	yes	no	no	3	1		1	1	no	no	no	yes	no	no	no	no	no	no
3	05:30:00.000	6	side	0	0	yes	yes	no	no	3	2		0		no	no	yes	yes	yes	yes	yes	no	no	no
0	05:30:00.000	7.3	side	1	1	no	no	no	no	0			0		no	no	yes	yes	no	no	no	no	no	no
0	07:30:00.000	6.15	side	1	1	yes	no	no	no	0			0		no	no	no	no	no	no	no	no	no	no
0	07:00:00.000	7	side	1	1	yes	no	no	no	1	3		0		no	yes	yes	yes	no	no	no	no	no	no
2	06:30:00.000	7	side	1	0	no	yes	yes	no	2	3	seizuresconvulsions	0		no	no	no	yes	no	no	no	no	no	no
3	07:30:00.000	6.4	side	1	1	yes	yes	yes	no	3	1.3		1	0	no	no	no	yes	yes	yes	yes	no	no	yes
1	07:30:00.000	8	back	1	1	yes	yes	no	no	1	4		1	0	no	no	no	yes	yes	yes	no	no	no	no
5	06:30:00.000	7	side	1	1	yes	yes	no	yes	5	2	falling_out_of_bed	1	0	no	yes	no	yes	yes	yes	no	no	no	yes
4	06:00:00.000	5	side	0	1	no	yes	yes	no	4	2		1	0	no	no	no	yes	no	no	no	no	yes	yes
2	05:30:00.000	8	back	1	1	yes	yes	no	no	2	3	sleep_talking	0		no	no	no	yes	no	yes	no	yes	no	yes
1	04:30:00.000	6	back	1	0	no	yes	no	no	1	4		0		no	yes	no	no	no	no	no	no	no	no
3	07:00:00.000	7.3	side	1	0	no	yes	no	no	3	3		0		no	no	no	yes	no	yes	yes	no	yes	no
0	07:30:00.000	8	back	1	0	no	yes	no	no	0			1	0	no	no	no	no	no	no	no	no	no	no
1	07:30:00.000	7.3	side	1	1	yes	no	no	no	1	5		0		no	no	no	yes	yes	yes	no	no	no	no
7	05:30:00.000	7	side	1	1	yes	yes	no	no	7	2		0		no	no	yes	yes	no	yes	no	no	no	no
0	07:30:00.000	5.3	side	1	0	no	no	no	no	0			0		no	no	no	no	no	no	no	no	yes	yes
2	05:00:00.000	6	side	1	1	no	yes	yes	no	2	3		0		no	no	no	yes	yes	no	no	no	yes	yes
2	05:30:00.000	6	side	1	1	yes	no	no	no	2	3	sleep_talking	1	0	0	no	no	no	yes	no	no	no	no	no
2	06:00:00.000	7.5	side	1	1	yes	no	yes	no	1	2	none_of_the_above	1	1	1	no	no	no	no	no	no	no	no	no
0	05:00:00.000	6.5	side	1	0	no	no	yes	yes	0		none_of_the_above	1	1	1	no	no	no	no	no	yes	yes	yes	yes
0	06:00:00.000	7	back	1	0	no	no	no	no	1	3	none_of_the_above	0		no	no	no	no	yes	yes	no	no	no	no
1	07:00:00.000	8	side	1	1	no	no	no	no	1	5	sleep_talking	0		no	no	no	no	yes	no	no	no	no	no
2	05:00:00.000	6.5	side	1	1	yes	no	yes	yes	2	2	sleep_talking	1	1	1	no	no	no	yes	yes	no	no	no	yes
4	09:00:00.000	8	side	1	1	no	yes	yes	no	5	2	sleep_talking	0		yes	no	no	no	no	no	no	no	no	no
2	06:00:00.000	6.5	side	1	1	no	yes	yes	no	1	2	nightmares	0		choice1	yes	no	no	yes	no	no	no	no	no
1	06:00:00.000	5.5	back	1	0	yes	no	no	no	1	1	none_of_the_above	0		choice1	no	no	no	no	no	yes	no	no	no
3	08:00:00.000	8	side	1	0	yes	no	no	no	3	4	none_of_the_above	1	0	1	choice1	no	no	yes	yes	yes	no	no	no
3	07:00:00.000	7	side	1	1	yes	yes	yes	no	2	4	nightmares	1	0	0	yes	yes	no	no	yes	no	yes	no	yes	yes
15	06:30:00.000	5	back	1	1	yes	yes	yes	yes	1	4	none_of_the_above	1	1	1	no	no	no	no	no	no	no	no	no	yes
1	04:00:00.000	4	side	1	1	yes	yes	no	yes	1	3	sleep_talking tooth	1	0	1	no	no	no	yes	no	yes	no	no	yes	no
4	07:00:00.000	7	side	1	1	yes	no	yes	yes	3	2	sleep_talking night	1	1	1	choice1	no	yes	yes	yes	no	yes	no	no	yes
0	09:00:00.000	6	side	1	0	no	yes	no	no	0		nightmares	1	1	1	yes	no	no	no	no	no	no	no	yes	yes
2	05:00:00.000	5	side	1	0	no	yes	no	no	2	4	sleep_talking	0		no	no	yes	no	no	yes	no	no	no	no
2	05:00:00.000	5	stomach	1	1	yes	no	no	no	1	4	none_of_the_above	1	0	0	no	yes	no	no	no	no	no	no	no
4	07:00:00.000	7	side	1	1	no	yes	no	no	4	1	none_of_the_above	0		no	no	no	yes	no	no	yes	no	no	no
5	05:30:00.000	5.5	side	1	0	yes	yes	no	yes	4	2	sleep_talking	1	1	0	no	no	no	yes	no	yes	no	no	no
2	06:00:00.000	8	side	0	0	no	yes	no	no	2	1	none_of_the_above	1	0	1	no	no	no	yes	no	no	no	yes	no	yes
1	07:00:00.000	7	side	1	1	no	yes	yes	yes	2	4	none_of_the_above	0		no	no	no	yes	no	no	yes	no	no	no
3	07:30:00.000	8	side	1	1	yes	yes	yes	no	3	2	nightmares	0		no	no	no	yes	no	no	yes	no	yes	yes
4	08:00:00.000	5	side	1	1	yes	yes	no	no	4	2	nightmares eating	1	1	1	no	no	no	yes	no	yes	no	no	no	no
3	06:30:00.000	7	side	1	0	no	yes	yes	no	3	2	sleep_walking	0		no	no	no	yes	no	yes	no	no	no	yes
1	06:00:00.000	6	side	1	1	no	yes	no	no	1		none_of_the_above	0		no	yes	yes	yes	no	no	no	no	no	no
5	05:00:00.000	4	side	1	0	yes	no	no	yes	4		none_of_the_above	1	1	1	no	no	no	yes	no	no	yes	no	no	no
2	07:00:00.000	7	side	1	0	yes	yes	no	no	2	4	sleep_talking night	0		no	yes	no	yes	no	no	yes	no	no	no
6	08:30:00.000	8	side	1	1	yes	yes	no	yes	5	1	none_of_the_above	1	1	0	no	choice2	no	yes	no	no	no	no	no	no
1	04:30:00.000	6	side	1	0	no	yes	no	no	1	2	none_of_the_above	0		no	yes	yes	yes	no	no	no	yes	no	no
2	08:00:00.000	8	back	1	1	yes	yes	no	yes	2	2.5	sleep_talking	1	1	1	choice1	no	no	yes	yes	no	no	no	no
5	06:00:00.000	7	back	1	1	yes	yes	no	no	6	1	none_of_the_above	1	1	1	no	no	no	no	no	no	no	no	no
1	05:00:00.000	4.5	side	1	1	no	yes	no	no	1	1	nightmares	0		yes	no	no	yes	no	no	no	yes	yes	no
2	07:00:00.000	7	side	1	0	no	no	no	no	2	2	none_of_the_above	0		no	no	no	yes	no	yes	no	no	no	no
1	08:30:00.000	8	back	1	0	no	yes	no	no	0		none_of_the_above	0		choice1	yes	no	no	no	no	no	no	no	no
2	08:00:00.000	8	side	1	1	yes	no	no	no	2	2	sleep_talking night	0		no	no	no	no	no	no	no	yes	yes	no
3	08:00:00.000	9	side	1	1	yes	yes	no	yes	2	1	sleep_talking	1	1	1	yes	no	no	no	no	no	yes	no	no	yes
4	08:00:00.000	10	side	1	1	yes	yes	no	no	4	1	none_of_the_above	0		no	no	no	yes	no	no	no	no	yes	no	no
0	07:00:00.000	7	side	1	1	yes	yes	yes	no	0		none_of_the_above	0		choice1	yes	no	no	no	no	no	no	no	no	yes
2	06:00:00.000	7	side	1	1	yes	no	yes	no	2	2	seizuresconvulsions	0		no	no	yes	yes	yes	no	no	yes	no	yes
0	07:00:00.000	6	side	1	1	yes	no	no	no	1	3	none_of_the_above	0		yes	no	no	no	no	no	no	no	no	no
1	06:30:00.000	7	stomach	0	0	no	yes	no	yes	1	3	none_of_the_above	1	1	0	no	no	no	no	yes	yes	yes	no	no	no
5	06:00:00.000	7	side	1	1	no	no	no	no	5	2	none_of_the_above	0		no	no	no	yes	no	yes	yes	no	no	no
3	06:00:00.000	8	side	1	1	yes	yes	yes	yes	4	2	none_of_the_above	0		no	yes	no	yes	yes	no	no	no	no	yes
3	06:00:00.000	8	side	1	1	yes	yes	yes	no	3	2	sleep_talking night	1	1	1	yes	yes	no	yes	no	no	no	yes	no	yes
1	05:45:00.000	5.5	side	1	0	no	yes	yes	yes	1	3	sleep_talking night	1	1	1	no	no	no	no	no	no	yes	no	yes	yes
4	08:00:00.000	8	side	1	1	no	yes	yes	no	4	2	none_of_the_above	1	1	1	no	no	no	no	yes	no	no	yes	no	no	yes
2	06:00:00.000	6	side	1	1	no	yes	no	no	2	3	none_of_the_above	0		no	no	no	no	yes	yes	no	yes	no	no	no
3	07:30:00.000	5	back	1	1	yes	yes	no	no	3	2	none_of_the_above	0		no	no	no	no	yes	yes	yes	no	no	no	no
1	06:00:00.000	7	back	1	1	no	yes	yes	yes	1	2	sleep_talking night	0		no	no	no	no	yes	yes	no	no	no	yes	yes
4	07:00:00.000	8	side	1	1	yes	yes	no	no	4	1	none_of_the_above	1	1	1	no	no	no	no	yes	yes	yes	no	yes	no	no
2	09:00:00.000	9	side	1	0	no	yes	no	no	2	2	none_of_the_above	0		no	yes	no	no	yes	yes	yes	no	no	no	no
3	07:00:00.000	7	side	1	1	yes	yes	no	no	3	1	none_of_the_above	0		yes	no	no	no	yes	yes	no	no	no	yes	no	no
1	06:30:00.000	5	side	1	1	no	yes	no	no	1	3	none_of_the_above	0		yes	no	no	no	yes	no	no	no	yes	no	no	no
3	05:00:00.000	8	side	1	1	yes	yes	no	no	3	1.5	none_of_the_above	1	1	1	no	no	no	no	no	no	no	no	yes	no	no
2	06:00:00.000	7	back	1	1	no	yes	yes	yes	1	3	none_of_the_above	1	0	1	no	no	yes	yes	no	no	no	no	no	no	yes
3	06:00:00.000	7	side	1	1	yes	yes	no	no	2	60	sleep_talking	0		choice1	no	no	yes	no	yes	no	no	no	no	no	no

| | | |

10	06:00:00.000	8	side	1	0	no	yes	no	yes	8	3	sleep_talking	0			no	no	no	yes	yes	no	yes	no	no	yes
3	08:00:00.000	10	side	1	1	yes	yes	no	no	3	1	sleep_talking night	1	1	0	no	no	no	yes	no	yes	yes	yes	no	yes
1	07:30:00.000	8.3	side	1	1	yes	yes	no	no	1	6	sleep_talking	1	0	1	yes	no	yes	yes	yes	no	no	yes	yes	no
5	04:00:00.000	5	side	1	1	yes	yes	yes	no	2	1	nightmares tooth_	1	0	1	no	no	no	yes	no	yes	no	yes	no	yes
1	07:30:00.000	7	side	1	1	yes	yes	no	yes	2	2	sleep_talking falling	0			yes	yes	no	yes	no	no	yes	no	no	no
0	10:00:00.000	10.3	side	1	1	no	yes	yes	no	0		nightmares	0			choice1	choice2	no	no	no	no	no	no	no	yes
3	06:00:00.000	9	back	1	1	yes	yes	no	yes	5	2	sleep_talking tooth	1	1	1	yes	yes	no	yes	yes	yes	yes	no	yes	no
1	05:30:00.000	7	back	1	1	yes	yes	no	yes	1	4	nightmares	0			no	no	no	no	no	no	no	no	no	no
1	05:30:00.000	9.3	side	1	0	no	yes	yes	yes	2	2	sleep_talking eatin	0			yes	no	no	yes	no	no	no	yes	no	yes
4	09:00:00.000	10.3	side	1	1	no	yes	yes	yes	4	3	sleep_talking	1	0	0	no	no	no	no	no	no	no	no	no	yes
1	09:00:00.000	8	side	1	1	yes	yes	no	no	1	4	sleep_talking	0			yes	yes	no	no	no	no	no	no	no	no
5	07:00:00.000	9	side	1	0	yes	yes	yes	no	5	2		0			no	no	yes	yes	no	yes	no	no	no	no
5	05:30:00.000	7.3	back	1	1	no	yes	yes	yes	3	2	falling_out_of_bed	1	1	1	yes	yes choice2	no	yes	no	no	yes	no	yes	yes
3	06:00:00.000	9	back	0	0	no	yes	no	no	3	4	sleep_talking	1	0	0	choice1	yes	no	yes	no	yes	no	yes	no	no
6	08:00:00.000	12	side	0	1	yes	yes	no	yes	10	2	tooth_grinding	1	1	1	choice1	no	yes	yes	yes	yes	no	yes	no	no
4	06:00:00.000	7	side	1	0	no	yes	no	no	4	2	sleep_talking night	0			no	no	no	yes	no	no	no	no	no	no
2	06:00:00.000	8	side	0	0	no	yes	no	no	2	3		0			yes	no	no	yes	no	yes	no	no	no	no
2	07:00:00.000	7	stomach	1	1	yes	yes	no	no	0		nightmares	0			choice1	no	no	no	yes	yes	no	no	no	no
3	07:30:00.000	8	side	1	1	yes	yes	yes	no	2	3	sleep_talking	1	0	1	no	no	no	yes	yes	yes	no	no	yes	yes
3	06:00:00.000	9	side	1	0	no	no	no	no	3	3		1	1	1	yes	no	no	yes	yes	yes	yes	yes	no	no
0	04:00:00.000	7.3	side	1	0	no	yes	no	no	0			1	0	1	no	no	no	yes	no	no	no	no	no	yes
3	07:00:00.000	9	side	1	0	no	yes	no	no	2	4		0			choice1	no	yes	yes	no	no	no	no	yes	yes
1	09:00:00.000	10	side	1	0	no	no	no	no	1	4		0			choice1	yes	no	no	yes	yes	no	no	yes	no
3	06:30:00.000	9.3	side	1	0	no	no	no	no	1	4	nightmares	1	1	1	no	no	no	yes	no	no	no	yes	no	no
0	06:00:00.000	6	side	1	0	no	yes	no	no	0		none_of_the_abov	0			no	no	no	no	no	no	no	yes	no	yes	no
0	06:30:00.000	7.5	side	1	1	yes	no	no	no	0		none_of_the_abov	0			yes	no	no	no	no	no	no	no	no	no
4	06:00:00.000	7	back	1	1	yes	yes	no	no	3	2	none_of_the_abov	0			yes	no	no	yes	no	no	no	yes	no	no	yes
3	06:00:00.000	7.5	side	1	1	yes	yes	no	yes	3	2	sleep_talking	0			no	no	no	yes	no	yes	no	no	no	no
5	07:00:00.000	6.5	stomach	1	1	yes	yes	yes	yes	3	2	none_of_the_abov	0			choice1	no	no	no	yes	no	no	no	yes	yes
4	06:00:00.000	7	back	1	1	no	yes	no	no	4	1.5	sleep_talking	1	0	0	no	no	no	yes	no	yes	no	no	no	yes
2	05:30:00.000	6.5	back	1	1	no	no	no	no	2	2	none_of_the_abov	0			no	no	yes	yes	no	yes	no	no	no	no
1	04:00:00.000	5	side stomach	0	0	no	no	no	no	1	2	none_of_the_abov	0			no	no	no	yes	yes	yes	no	no	no	no
4	07:00:00.000	7	side	1	0	no	yes	yes	no	2	3	none_of_the_abov	0			no	no	yes	yes	yes	no	no	no	no	yes
3	05:00:00.000	6	side	1	1	no	no	no	no	3	2	none_of_the_abov	0			no	no	yes	yes	yes	no	no	no	no	no
1	09:00:00.000	10	side	0	0	no	no	yes	no	1	3	none_of_the_abov	0			no	no	no	no	no	no	no	no	no	yes
15	10:00:00.000	11	stomach	1	1	no	yes	yes	yes	15	1	sleep_talking	1	1	1	no	no	no	no	no	no	yes	yes	yes	yes
1	06:00:00.000	6	side	1	0	no	no	yes	yes	1	2	none_of_the_abov	0			no	no	no	no	no	no	yes	yes	no	no
2	03:00:00.000	4	side	1	0	no	no	yes	no	2	2	nightmares	0			no	no	no	no	no	no	no	yes	no	yes
3	06:00:00.000	9.3	side	1	1	no	yes	no	no	3			0			no	no	no	no	no	no	no	no	no	no
2	07:00:00.000	7	back	1	0	no	yes	no	no	2	3		0			yes	no	no	no	no	no	no	no	no	no
4	07:00:00.000	8	side	1	1	no	no	no	no	3			0			no	no	no	no	no	no	no	no	no	no
4	08:00:00.000	9	side	0	0	yes	no	yes	no	4	3		1	1	1	no	no	no	yes	no	no	yes	yes	no	yes
3	05:00:00.000	8	back	0	0	no	yes	no	yes	2		sleep_walking sleep	0			choice1	yes	no	no	no	no	no	no	no	no
3	04:00:00.000+05:3	4	side	0	0	no	no	yes	no	3	1		0			no	no	no	yes	no	yes	no	no	yes	yes

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
memory_problem	stroke	ESS1	watching_tv	sitting_inactive_in_	as_a_passenger_in	lying_down_to_res	sitting_and_talking	sitting_quietly_afte	in_a_car_while_stc	weight	height	bmi__30_kgm2	bmi__35_kgm2	systolic_blood_pre	diastolic_blood_pr	patient_is_known_	spo2__pulse_oxim	neck_circumferenc	neck_circumferenc	waist_circumferen	hip_circumference_	retrognathia	micrognathia	macroglossia	mallampati_scale
yes	no	2	3	2	3	3	1	3	0	120	175	yes	1	111	70	0	95	51	1	124	124	no	no	no	choice3
no	no	0	0	0	0	0	0	0	0	74	170	no	0	128	72	0	97	40.64	0	96.52	104.14	no	no	yes	choice3
no	no	2	1	2	2	2	2	2	2	74	154	no	0	151	91	1	93	38.1	0	109.2	109.2	no	no	yes	choice2
yes	no	1	1	2	2	2	2	2	2	68	160	no	0	137	85	0	95	33	0	96.5	99	no	no	no	
no	no	1	2	1	2	1	2	2	2	60	151	no	0	133	82	0	96	33	0	86	96	no	no	yes	choice2
no	no	2	2	2	3	2	1	2	0	60	161	no	0	142	90	1	98	36	0	89	94	no	no	yes	choice2
yes	no	1	1	2	2	3	0	2	0	100	179	yes	0	127	83	1	95	43	1	119	119	no	no	yes	choice2
no	no	3	3	3	3	1	0	2	1	100	172	yes	0	150	82	1	97	46	1	114	117	no	yes	yes	choice2
no	no	1	1	1	1	1	0	1	0	93	162	yes	1	148	100	1	96	43	1	107	109	no	no	no	choice2
no	no	3	2	3	3	2	3	3	0	75	162	no	0	138	87	0	96	42	1	107	102	no	no	yes	choice1
yes	no	2	2	2	3	3	0	3	1	85	165	yes	0	112	70	1	97	41	0	109	107	no	no	yes	choice3
no	no	1	1	0	1	1	0	1	0	80	162	yes	0	140	90	0	97	43	1	104	99	no	no	yes	choice3
no	no	0	0	0	2	3	0	0	0	90	172	yes	0	134	93	1	96	43	1	107	114	no	no	yes	choice2
no	no	2	0	0	0	0	0	0	0	75	167	no	0	137	83	0	0	40	0	101	104	no	no	yes	choice2
no	no	0	0	0	0	0	0	0	0	100	175	yes	0	135	90	1	96	43	1	114	117	no	no	yes	choice3
no	no	3	3	3	3	3	0	3	0	90	167	yes	0	129	83	0	93	43	1	112	102	no	no	yes	choice2
no	no	2	2	2	2	3	0	3	0	68	161	no	0	142	92	1	95	38	0	91	102	no	no	yes	i
no	no	0	0	0	0	3	0	3	0	65	145	yes	0	126	78	0	97	36	0	112	104	no	no	yes	choice3
no	no	2	0	3	2	2	0	2	0	95	153	yes	1	184	133	1	94	41	0	117	114	no	yes	yes	choice3
no	no	0	0	0	0	1	0	0	0	59	156	no	0	106	60	0	90	34	0	86	96	no	no	no	i
no	no	0	0	1	2	1	0	0	0	67	142	yes	0	129	68	0	97	35	0	106	111	no	no	no	choice3
no	no	1	0	1	1	2	0	2	0	80	173	no	0	138	73	0	95	42	1	102	104	no	no	yes	choice3
no	no	2	2	2	2	1	0	1	0	80	160	yes	0	131	103	1	97	41	0	102	104	no	yes	no	choice1
no	no	2	3	2	2	3	1	1	2	99	176	yes	0	153	98	1	97	42	0	102	112	no	no	yes	choice1
no	no	3	0	2	2	3	0	3	0	86	170	no	0	136	98	0	96	46	1	94	104	no	no	yes	choice2
no	no	0	0	0	0	0	0	0	0	62	161	no	0	147	85	1	97	38	0	86	89	no	no	yes	choice2
yes	no	1	1	0	1	1	0	2	0	57	165	no	0	112	86	0	97	40	0	81	86	no	no	no	choice1
no	no	3	2	3	2	1	2	2	1	93	169	yes	0	130	88	0	97	48	1	106	109	no	no	no	choice3
no	yes	0	0	0	0	0	0	0	0	63	144	yes	0	126	101	1	94	36	0	107	102	no	no	yes	choice1
yes	no	2	2	2	2	3	2	3	2	101	162	yes	1	132	70	0	90	44	1	124	109	yes	no	yes	choice3
yes	no	2	2	1	2	1	0	0	0	81	168	no	0	121	78	0	97	39	0	97	104	yes	yes	yes	choice3
no	no	0	0	0	1	0	0	0	0	69	172	no	0	126	84	0	96	38	0	89	91	no	no	yes	choice2
yes	no	1	1	1	2	3	0	1	0	68	165	no	0	130	84	1	99	39	0	93	95	no	no	no	choice3
no	no	3	1	2	1	3	1	3	0	80	141	yes	1	141	81	1	95	42	1	117	127	yes	yes	yes	choice2
yes	no	1	1	1	1	3	0	0	0	60	167	no	0	97	63	0	99	38	0	81	84	no	no	no	choice3
yes	no	0	1	2	2	1	0	2	2	80	147	yes	1	111	76	0	96	41	0	114	119	no	no	yes	choice3
no	no	1	2	3	3	0	0	1	0	70	171	no	0	132	89	0	95	41	0	91	97	no	no	no	choice3
no	no	1	1	0	2	2	0	0	0	99	164	yes	1	161	97	1	93	41	0	117	114	no	no	yes	choice1
no	no	1	1	1	0	2	0	1	0	102	170	yes	1	130	88	0	95	41	0	112	122	yes	yes	yes	choice3
yes	no	0	0	0	3	0	0	3	0	65	167	no	0	155	81	1	97	38	0	84	86	no	no	yes	choice1
no	no	0	0	0	0	0	0	0	0	58	157	no	0	161	82	1	97	41	0	84	89	no	no	yes	choice1
no	no	1	0	0	1	0	0	1	0	95	177	yes	0	145	91	1	97	46	1	102	102	no	no	no	choice3
no	no	0	1	0	1	3	0	1	0	72	174	no	0	129	81	0	96	41	0	114	119	no	no	yes	choice3
no	no	0	0	1	1	2	0	0	0	88	173	no	0	137	84	1	97	46	1	112	107	no	no	yes	choice3
yes	no	1	0	0	0	0	1	1	0	64	150	no	0	153	85	1	99	33	0	97	97	no	no	no	choice3
no	no	0	0	2	1	2	0	1	0	59	151	no	0	140	81	0	87	38	0	86	99	no	no	no	choice3
yes	no	1	1	0	3	1	0	1	0	75	180	no	0	127	73	0	97	41	0	86	97	no	no	yes	choice2
no	no	0	0	1	3	3	1	3	0	90	181	no	0	120	82	0	97	39	0	97	102	no	yes	no	choice2
no	no	1	2	1	2	3	1	2	0	73	154	yes	0	113	73	0	96	41	0	94	97	no	no	yes	choice3
yes	no	0	1	3	0	0	0	0	0	106	176	yes	0	132	84	0	96	41	0	117	117	no	no	no	choice1
no	no	0	1	1	1	2	0	1	0	59	179	no	0	130	70	0	99	36	0	71	91	no	no	yes	i
no	no	0	0	0	0	0	0	1	0	78	161	yes	0	156	94	1	95	41	0	102	94	no	no	yes	choice3
no	no	3	3	3	3	3	1	3	3	85	166	yes	0	115	85	0	99	39	0	104	104	yes	yes	no	choice3
no	no	2	3	2	1	2	2	3	1	137	156	no	1	149	85	1	95	50	1	152	62	no	no	yes	choice3
yes	no	2	2	1	1	1	0	2	0	61	163	no	0	113	83	0	95	37	0	97	94	no	no	no	choice2
no	no	0	0	1	1	2	0	2	0	168	85	no	0	125	80	0	95	41	1	104	109	no	no	no	choice2
no	yes	1	1	1	1	1	0	1	0	87	152	yes	1	142	90	1	97	43	1	112	114	no	no	yes	choice3
no	no	3	1	3	2	3	1	2	0	59	158	no	0	160	85	1	96	37	0	89	89	no	no	yes	i
yes	no	2	2	2	2	2	1	2	0	104	173	yes	0	152	77	1	97	46	1	122	117	no	no	no	choice3
yes	no	0	0	0	2	3	0	2	0	65	152	no	0	129	90	0	95	36	0	97	41	no	no	yes	choice2
yes	no	1	1	1	1	2	0	0	2	80	163	no	0	120	80	0	94	41	0	104	107	no	no	yes	choice3
yes	no	2	1	1	2	2	1	0	2	85	157	yes	0	116	80	0	97	39	0	107	102	no	no	no	choice3
no	no	3	1	2	2	1	0	2	0	88	157	yes	1	135	86	0	96	38	0	99	119	no	no	yes	choice3
no	no	1	1	0	0	3	1	1	0	75	175	no	0	110	76	0	96	39	0	93	112	no	no	no	choice1
yes	no	3	3	2	3	2	1	1	0	55	164	no	0	105	68	0	97	36	0	81	89	no	no	yes	i
no	no	2	0	0	0	1	1	3	0	71	175	no	0	124	82	0	95	41	0	38	97	no	no	yes	choice3
no	no	3	1	2	3	2	0	2	0	80	171	yes	1	121	80	0	95	41	0	104	97	no	yes	yes	choice3
no	no	1	1	1	0	0	0	0	0	140	154	yes	1	150	90	1	87	43	1	140	165	yes	yes	no	choice3

yes	no	2	3	1	1	2	1	2	0	91	158	yes	1	167	95	1	95	36	0	109	122	no	yes	no	choice3
yes	no	2	1	2	2	2	1	0	0	72	174	no	0	145	88	1	93	39	0	102	91	no	no	no	choice2
yes	no	0	0	0	1	1	1	2	0	73	165	no	0	128	109	1	97	38	0	97	102	yes	yes	yes	choice3
yes	yes	0	1	0	1	3	0	3	0	59	144	no	0	145	69	1	95	38	0	91	112	no	no	yes	choice2
no	no	1	0	0	0	2	0	2	0	65	165	no	0	189	83	1	97	38	0	86	94	no	no	no	choice3
no	no	0	0	0	0	0	0	1	0	92	177	no	0	133	86	0	95	41	0	109	109	no	no	no	i
no	no	3	1	1	1	1	1	1	1	74	164	no	0	132	100	1	97	41	0	104	102	no	yes	yes	choice2
yes	no	1	1	1	1	2	0	3	0	57	154	no	0	133	89	0	97	33	0	81	99	no	yes	no	choice3
no	no	2	0	3	3	3	0	3	0	71	164	no	0	109	76	0	95	36	0	107	113	no	no	yes	i
yes	no	2	2	1	2	2	1	2	0	81	168	no	0	127	94	0	80	41	0	102	104	no	no	yes	choice3
yes	no	1	1	1	2	1	1	1	0	129	171	yes	1	181	85	1	97	41	0	137	130	yes	yes	no	choice3
no	no	1	1	1	2	3	1	3	0	64	152	no	0	118	74	0	82	36	0	211	99	no	no	yes	choice3
no	no	0	0	0	0	1	0	0	0	116	169	yes	1	127	97	0	95	47	1	132	127	no	no	no	choice2
no	no	1	2	2	2	0	1	0	1	81	155	yes	0	113	80	0	95	43	1	112	104	no	yes	yes	choice3
yes	no	1	0	1	3	3	0	3	0	62	166	no	0	121	71	0	95	38	0	84	91	no	no	no	choice3
no	no	1	0	1	1	1	0	2	1	66	162	no	0	147	92	1	97	37	0	94	94	no	no	no	choice3
no	no	0	0	0	0	0	0	1	0	81	168	no	0	111	83	1	95	43	0	109	104	yes	no	no	choice3
no	no	0	0	3	3	3	2	2	0	88	163	yes	0	139	93	1	87	29.2	0	117	109	no	no	yes	choice1
no	no	1	1	1	1	0	0	0	0	85	168	no	0	118	82	0	95	41	0	102	107	no	no	yes	choice3
yes	no	0	0	0	0	3	0	3	0	65	155	no	0	192	94	1	92	41	1	102	104	no	no	yes	choice3
no	yes	1	1	1	1	1	0	1	0	82	164	yes	0	150	90	1	95	43	1	104	102	no	no	yes	choice2
yes	no	0	1	0	1	1	0	3	0	81	147	yes	1	142	64	0	96	36.8	0	119.4	127	no	no	yes	choice1
yes	no	1	1	2	1	1	0	3	1	77	157	yes	0	105	68	0	95	38.1	0	106.7	111.8	no	no	no	choice2
yes	no	2	2	3	2	2	1	2	1	75	166	no	0	143	93	1	96	36.8	0	101.6	96.5	no	no	no	choice3
yes	no	3	0	1	1	1	0	0	0	66	168	no	0	137	85	0	96	38.1	0	99.1	91.4	no	no	yes	choice3
yes	no	1	1	2	1	1	1	1	0	78	167	no	0	161	113	1	95	40.6	0	99.1	101.6	yes	yes	yes	choice3
yes	no	1	1	0	0	1	0	0	0	86	169	yes	0	145	78	0	96	43.2	1	114.3	106.7	no	no	yes	choice3
yes	no	2	1	1	2	2	0	3	1	53	171	no	0	110	80	0	97	39.4	0	91.4	99.1	no	yes	yes	choice3
yes	no	1	1	1	1	2	0	1	0	75	169	no	0	118	72	0	98	40.6	0	88.9	101.6	no	no	yes	choice3
no	no	1	2	1	1	1	1	1	0	77	165	no	0	130	87	0	96	43.2	1	111.8	101.6	yes	yes	no	choice2
yes	no	3	1	1	2	3	1	3	0	91	174	yes	0	123	81	0	96	43.2	1	109.2	111.8	no	no	yes	choice3
no	no	0	0	2	2	2	2	3	0	42	159	no	0	174	115	1	96	34.3	0	81.1	85.1	no	yes	yes	choice3
no	no	3	3	3	3	3	0	0	0	119	176	yes	1	145	76	0	92	41.9	0	121.9	119.4	no	no	yes	choice3
yes	no	2	1	1	1	0	1	0	1	86	163	yes	0	131	90	1	96	40.6	0	118.1	109.2	no	no	yes	choice3
yes	no	0	0	1	0	1	0	0	0	86	175	no	0	119	90	1	98	40.6	0	104.1	104.1	yes	no	no	choice3
yes	no	2	1	1	2	3	2	2	1	104	170	yes	1	129	87	0	96	43.2	1	116.8	119.4	no	yes	no	choice1
no	no	1	1	2	2	3	0	3	0	112	176	yes	1	120	70	0	96	45.7	1	127	119.4	no	no	yes	choice3
yes	no	1	3	0	0	3	0	3	0	93	148	yes	1	132	75	0	90	38.1	0	119.4	124.5	no	no	yes	choice2
no	no	1	2	1	1	1	2	3	1	92	162	yes	1	136	93	1	95	45.7	1	119.4	116.8	yes	yes	yes	choice3
yes	no	1	1	1	0	2	0	0	0	68	164	no	0	127	82	0	97	38.1	0	96.5	101.6	yes	no	yes	choice3
yes	no	1	0	1	2	1	1	1	0	85	171	no	0	147	108	1	96	40	0	110.5	111.8	no	no	yes	choice3
yes	no	1	3	3	3	3	3	3	0	84	156	yes	0	122	78	0	96	35.6	0	109.2	114.3	no	no	no	i
no	no	1	1	3	0	3	0	3	1	74	164	no	0	137	90	1	94	40.6	0	101.6	96.5	yes	no	yes	choice2
yes	no	3	2	2	2	3	1	3	2	88	165	yes	0	128	82	0	97	40.6	0	101.6	106.7	no	no	no	choice3
yes	no	1	0	0	1	1	0	1	0	108	185	yes	0	124	90	1	97	39.4	0	115.6	115.6	no	no	yes	i
yes	no	0	0	0	0	1	0	1	0	89	149	yes	1	119	66	0	92	38.1	0	121.9	114.3	no	no	no	choice3
yes	no	0	1	0	1	3	0	1	0	85	171	no	0	130	80	0	95	43.2	1	109.2	109.2	no	no	no	choice3
yes	no	3	1	1	3	3	1	3	0	111	161	yes	1	140	90	1	96	45.7	1	129.5	121.9	yes	no	yes	choice3
no	no	1	1	1	2	1	0	1	0	87	163	yes	0	125	73	0	95	45.7	1	121.9	110.5	no	no	yes	choice3
yes	no	3	3	3	3	3	1	3	0	88	181	no	0	110	70	0	97	43.2	1	111.8	104.1	yes	yes	no	choice3
no	no	1	1	1	0	1	1	3	0	89	170	yes	0	127	83	0	97	41.9	0	99.1	104.1	no	no	yes	choice3
yes	no	3	2	1	2	1	0	0	0	100	165	yes	1	153	97	1	96	45.7	1	129.5	124.5	no	no	yes	choice2
no	no	0	1	0	1	1	0	1	0	83	159	yes	0	171	84	1	95	44.5	1	110.5	105.4	no	no	no	choice3
yes	no	2	0	1	1	2	0	1	0	82	168	no	0	138	98	1	98	40.6	0	91.4	99.1	no	no	yes	i
yes	no	1	2	2	3	2	1	2	1	73	175	no	0	124	80	0	96	40.6	0	91.4	101.6	no	no	yes	choice3
yes	no	3	3	1	2	3	3	2	0	90	155	yes	1	118	79	0	90	40.6	1	116.8	119.4	no	no	yes	choice3
no	no	3	0	3	3	2	1	3	0	83	165	yes	0	110	70	0	92	40.6	0	106.7	101.6	no	no	yes	choice3
no	no	2	1	1	1	1	0	1	0	71	163	no	0	127	89	0	96	40.6	0	94	99.1	yes	yes	yes	choice3
yes	no	0	0	1	0	0	0	0	0	76	152	yes	0	191	104	1	90	40.6	0	116.8	109.2	yes	yes	yes	choice3
no	no	0	1	0	0	0	0	0	0	66	167	no	0	100	65	0	95	38.1	0	96.5	96.5	yes	yes	yes	choice3
yes	no	0	0	1	2	2	0	3	0	83	172	no	0	120	80	0	96	45.7	1	106.7	99.1	no	no	yes	choice3
yes	no	2	2	1	2	2	0	2	0	94	168	yes	0	113	71	1	96	45.7	1	124.5	106.7	yes	no	yes	choice3
yes	no	3	3	3	2	3	3	3	1	87	169	yes	0	145	113	1	99	45.7	1	116.8	104.1	yes	no	yes	choice3
no	no	1	1	3	2	3	1	3	1	90	164	yes	0	140	91	1	86	48.3	1	109.2	119.4	yes	no	yes	choice2
yes	no	1	1	0	1	1	0	1	0	86	157	yes	0	102	73	0	99	38.1	0	104.1	119.4	no	no	no	i
no	no	1	1	1	0	1	0	3	0	86	164	yes	0	132	82	0	96	40.6	1	99.1	116.8	no	no	yes	choice3
no	no	0	0	1	0	1	0	1	0	93	151	yes	1	150	90	1	96	40.6	1	106.7	116.8	yes	no	yes	choice2
no	no	0	0	1	0	1	0	1	0	107	157	yes	1	145	91	1	97	38	0	117	123	no	no	yes	choice3
yes	no	3	3	2	1	3	0	3	0	82	152	yes	1	130	85	0	95	40.6	1	109.2	119.4	no	no	no	choice3
yes	no	2	2	2	1	2	0	2	0	92	156	yes	1	150	82	1	92	43.2	1	114.3	121.9	no	no	yes	choice3
no	yes	1	0	1	1	1	0	3	0	86	162	yes	0	140	80	0	96	43.2	1	124.5	119.4	no	no	yes	choice3
yes	no	1	0	1	0	1	1	3	0	106	175	yes	0	140	90	1	95	43.2	1	139.7	127	no	no	yes	choice3
yes	no	1	3	1	3	3	1	1	1	89	169	yes	0	140	78	0	95	45.7	1	111.8	111.8	no	no	yes	choice3
no	no	1	3	0	2	3	2	3	0	80	168	no	0	111	77	0	92	43.2	1	109.2	106.7	no	no	yes	choice3
yes	no	2	2	1	2	0	0	0	0	92	171	yes	0	124	83	0	97	43.2	1	116.8	104.1	no	no	yes	choice3
no	no	3	2	0	2	2	0	0	0	112	168	yes	1	128	71	0	95	44.5	1	132.1	129.5	no	no	yes	choice3

yes	no	3	0	1	1	0	0	2	0	86	170	no	0	120	80	0	92	45.7	1	111.8	104.1	yes	yes	yes	choice3
no	no	1	1	1	3	3	1	2	1	106	167	yes	1	145	91	1	93	43.2	1	121.9	116.8	no	no	yes	choice3
yes	no	3	3	2	2	2	0	1	0	84	143	yes	1	150	80	1	81	43.2	1	111.8	109.2	no	yes	yes	choice3
yes	no	1	0	0	0	1	0	1	0	75	160	no	0	135	85	0	97	40.6	0	109.2	114.3	no	no	yes	choice2
no	no	0	3	3	3	3	3	1	0	88	175	yes	0	150	94	1	96	38.1	1	124.5	99.1	no	no	yes	choice3
yes	no	0	1	0	0	0	1	0	0	118	161	yes	1	180	102	1	96	38.6	1	88.9	91.4	no	no	no	choice2
yes	no	3	1	1	1	3	0	3	0	123	186	yes	1	140	94	0	96	43.2	1	139.7	147.3	no	no	yes	choice3
no	no	0	0	1	0	1	0	1	0	135	173	yes	1	141	84	0	96	40.6	1	101.6	101.6	no	no	yes	choice3
yes	no	3	3	3	0	3	3	3	0	79	152	yes	0	140	80	0	97	38.1	0	106.7	111.8	no	no	yes	choice2
no	no	0	0	1	1	1	0	1	0	77	153	yes	0	143	80	0	96	40.6	1	99.1	101.6	no	no	yes	choice3
no	no	0	2	0	1	0	0	0	0	80	165	no	0	145	100	0	95	41.9	1	130.8	137.2	no	no	yes	choice2
no	no	0	0	0	0	0	0	1	0	75	150	yes	0	110	60	1	95	36.8	1	114.3	134.6	no	no	no	choice3
yes	no	0	0	1	0	1	0	1	0	75	180	no	0	125	85	0	98	43.2	0	94	104	yes	yes	yes	choice2
yes	no	1	3	3	3	2	0	3	0	88	169	yes	0	126	80	1	97	40.6	0	88.9	101.6	yes	yes	yes	choice2
no	no	1	1	1	2	3	0	3	0	68	163	no	0	118	79	1	98	43.2	0	116.8	114.3	no	no	yes	choice3
yes	no	1	1	2	3	2	1	3	0	107	173	yes	1	143	93	1	92	40.6	1	111.8	99.1	no	no	yes	choice3
no	no	0	0	0	0	1	0	0	0	50	154	no	0	110	70	0	94	43.2	0	99.1	99.1	no	no	yes	choice1
no	no	1	3	1	0	1	0	2	0	81	176	no	0	143	95	1	97	38.1	1	106.7	119.4	no	no	yes	choice2
no	no	2	2	1	2	1	2	2	0	80	172	no	0	120	85	0	90	40.6	0	101.6	109.2	no	no	yes	choice3
no	no	1	1	2	1	2	0	2	0	94	169	yes	0	149	93	1	97	43.2	1	104.1	106.7	no	no	yes	choice3
no	no	3	1	2	3	2	0	3	0	75	167	no	0	140	90	0	97	40.6	1	124.5	132.1	no	no	yes	choice3
no	no	1	3	0	2	3	0	3	0	102	169	yes	1	143	97	1	94	50.8	1	124.5	116.8	no	no	yes	choice3
no	no	1	0	0	3	3	0	3	0	97	155	yes	1	143	83	1	93	40.6	1	86.3	81.3	yes	no	yes	choice3
no	no	0	0	1	1	2	0	0	0	86	177	no	0	135	101	1	96	43.2	0	116.8	119.4	yes	no	yes	choice3
yes	no	0	1	0	0	0	0	0	0	117	180	yes	1	110	59	0	96	43.2	0	139.7	132.1	no	no	yes	choice3
yes	no	0	0	1	1	3	0	3	0	94	167	yes	0	133	86	0	96	38.1	1	101.4	106.7	yes	no	yes	choice3
no	no	0	1	0	0	1	0	0	0	102	181	yes	0	130	85	0	97	40.6	1	110.5	111.8	no	no	yes	choice3
no	no	2	1	2	3	3	0	3	0	78	178	no	0	120	80	0	95	40.5	0	101.6	96.5	no	no	yes	choice2
yes	no	3	0	3	3	3	0	3	0	113	176	yes	1	130	80	0	95	39	0	104.1	106.1	no	no	yes	choice3
yes	no	1	3	2	0	3	0	3	0	57	167	no	0	172	83	1	92	39.4	0	115.6	115	yes	no	yes	choice3
no	no	1	0	0	0	0	0	3	0	86	170	no	0	138	80	0	95	38.1	1	116.8	124.5	no	no	yes	choice3
no	no	1	0	0	3	3	0	3	0	95	168	no	0	153	93	0	94	43.2	0	109	111	no	no	yes	choice3
yes	no	1	0	1	3	1	0	1	0	68	171	no	0	118	89	0	98	45.7	0	121.9	110.5	no	no	yes	i
yes	no	1	1	1	1	1	0	1	0	89	160	yes	0	106	82	1	96	45.7	0	129.5	124.5	no	no	yes	choice2
yes	no	0	1	0	2	1	0	1	0	71	173	no	0	123	84	0	97	34.3	0	97	123	no	no	yes	choice2
no	no	2	2	2	2	2	0	1	0	76	168	no	0	130	96	1	98	44.5	0	110.5	105.4	yes	no	no	choice3
yes	no	1	1	1	3	1	1	1	0	76	150	yes	0	106	73	1	97	40.6	0	91.4	99.1	no	no	yes	choice3
no	no	1	1	3	0	0	0	3	0	70	162	no	0	135	90	1	94	40.6	0	116.8	119.4	no	no	yes	choice2
yes	no	1	1	1	0	1	1	0	0	92	173	yes	0	126	85	0	96	40.6	1	106.7	101.6	no	no	yes	choice3
yes	no	1	3	0	3	3	0	3	0	63	155	no	0	135	80	1	98	38.1	0	71.1	76	no	no	yes	choice3
yes	no	0	3	0	0	1	0	3	0	95	175	yes	0	143	96	1	96	40.6	0	94	99	no	no	yes	choice3
yes	no	1	2	2	2	2	0	2	0	69	161	no	0	138	78	0	94	40.6	0	119.4	134.6	no	yes	yes	choice1
yes	no	3	2	3	3	3	1	3	1	81	171	no	0	138	86	0	96	43.2	0	114.3	124.5	yes	no	no	choice2
yes	no	0	0	0	0	2	0	3	0	91	173	yes	0	140	90	0	95	44.5	1	121.9	114.3	yes	no	yes	choice3
yes	no	1	1	0	1	0	0	1	0	67	169	no	0	144	90	1	96	43.2	0	111.8	109.2	no	no	yes	choice3
no	no	1	1	0	1	0	0	0	0	71	170	no	0	118	82	0	95	40.6	0	119	101	no	no	yes	choice3
no	no	0	0	1	1	0	0	1	0	79	158	yes	0	121	61	0	95	43.2	0	114	109	no	no	yes	choice3
no	no	2	3	1	2	1	3	1	0	98	180	yes	0	130	90	1	97	45.7	1	106.7	99.1	no	no	no	choice3
no	no	0	0	0	1	1	0	0	0	78	170	no	0	136	93	0	96	35.6	0	116.8	134.6	no	no	yes	choice3
no	no	0	1	0	2	1	0	0	0	75	167	no	0	126	70	1	92	40.6	0	106.7	116.8	no	no	yes	choice3
yes	no	0	0	0	0	1	1	1	0	68	169	no	0	135	89	0	96	40.6	0	99.1	106.2	no	no	yes	choice3
no	no	0	0	0	0	1	0	3	0	84	172	yes	0	102	73	0	86	43.2	0	114.3	121.9	no	no	yes	choice3
yes	no	0	0	0	0	3	0	0	0	61	157	no	0	130	50	0	95	43.2	0	134.6	137.2	no	no	yes	choice3
yes	no	1	2	1	0	1	2	0	0	90	146	yes	1	131	89	1	97	41.9	0	114.3	114.3	no	no	yes	choice3
no	no	3	2	2	0	3	1	3	0	68	148	yes	0	131	89	0	92	43.2	0	116.8	104.1	no	no	yes	choice3
no	yes	0	0	0	0	3	0	3	0	64	161	no	0	108	81	0	82	40.6	0	99.1	96.5	no	no	yes	choice3
yes	no	0	0	0	0	0	0	0	0	84	168	no	0	126	84	0	97	40.6	0	124.9	121.9	no	no	yes	choice3
yes	no	1	1	1	1	1	0	1	0	44	163	no	0	134	80	1	84	35.6	0	88.9	88.9	no	yes	yes	choice3
yes	no	1	0	0	0	0	0	0	0	100	157	yes	1	160	110	1	96	98.1	0	119.4	121.8	no	no	yes	choice3
yes	no	1	1	1	3	3	0	3	0	79	163	no	0	159	84	1	93	43.2	0	121.9	101.6	no	no	yes	choice3
yes	no	0	3	3	0	3	1	3	0	69	157	no	0	159	89	1	93	40.6	0	91.4	94	no	no	yes	choice3
yes	no	1	0	3	3	3	0	2	0	87	172	no	0	116	85	0	97	43.2	1	94	106.7	no	yes	no	choice2
yes	no	0	0	0	1	0	0	0	0	86	152	yes	1	140	80	0	97	43.2	1	121.9	116.8	no	no	yes	choice2
no	no	0	0	0	0	2	0	2	0	99	160	yes	1	142	92	1	94	40.6	1	88.9	81.3	no	no	yes	choice3
no	no	3	3	3	3	3	2	3	0	77	138	yes	1	150	80	1	80	35.6	0	101.6	111.8	no	no	yes	choice2
no	no	2	1	0	0	1	0	0	0	93	170	yes	0	140	82	0	97	43.4	1	119.4	116.8	no	no	yes	choice3
no	no	0	0	0	1	0	0	0	0	60	152	no	0	120	88	0	99	33	0	94	96.5	no	no	no	choice3
no	no	0	0	0	0	0	0	0	0	78	164	no	0	140	89	0	88	39.4	0	106.7	101.6	no	no	yes	choice3
yes	no	0	3	0	0	3	0	3	0	42	161	no	0	116	64	0	88	35.6	0	76.2	81.3	no	no	yes	choice3
yes	no	0	0	0	0	0	0	0	0	93	179	no	0	140	82	0	92	45.7	1	111.8	99.1	no	no	yes	choice3
yes	no	3	0	3	3	3	1	3	0	97	181	no	0	142	86	0	96	43.2	1	109.2	101.6	no	no	yes	choice2
yes	yes	1	1	1	2	2	1	0	0	82	180	no	0	135	97	0	98	40.6	0	86.4	106.7	no	no	yes	choice3
yes	no	1	0	2	1	3	0	3	0	70	162	no	0	124	89	0	89	40.6	0	106.7	96.5	no	no	yes	choice3
no	no	2	1	2	2	2	0	2	1	113	167	yes	1	140	80	0	95	48.3	1	119.4	119.4	no	no	yes	choice3
no	no	1	2	1	0	0	0	2	0	42	170	no	0	103	69	1	88	33	0	76.2	78.7	no	no	no	i
no	no	0	0	1	0	3	0	2	0	70	172	no	0	124	67	0	88	38.6	0	96.5	96.5	no	yes	yes	i

yes	no	0	0	0	0	0	0	0	0	94	150	yes	1	171	99	1	95	40.6	1	116.8	134.6	no	no	no	choice3
yes	no	1	0	3	3	3	2	2	0	91	172	yes	0	131	91	0	95	45.7	1	118.1	105.4	no	no	yes	choice3
yes	no	1	1	0	1	0	0	1	0	94	174	yes	0	125	85	0	94	48.3	1	111.8	108	no	no	yes	choice3
no	no	3	2	3	3	3	1	2	1	65	151	no	0	142	84	0	94	35.6	0	104.1	104.1	no	no	no	choice3
yes	no	3	2	3	3	3	2	3	1	96	175	yes	0	128	87	0	95	44.5	1	121.9	109.2	no	no	yes	choice3
yes	no	1	0	1	1	2	0	2	0	94	169	yes	0	147	95	0	97	43.2	0	110.5	109.2	no	no	yes	choice3
no	no	0	0	3	3	3	3	3	3	75	160	no	0	143	84	0	98	43.2	1	109.2	106.7	no	yes	yes	choice3
yes	no	1	0	2	3	2	0	3	1	77	165	no	0	136	84	0	95	43.2	1	96.5	101.6	no	no	yes	choice3
yes	no	1	1	1	1	3	0	2	0	71	165	no	0	151	86	1	44	40.6	0	109.2	101.6	no	no	yes	choice2
yes	no	1	2	1	1	2	0	1	0	115	165	yes	1	108	70	0	95	44.5	1	121.9	132.1	no	no	yes	choice3
yes	no	1	1	3	3	1	1	1	0	113	180	yes	0	130	94	0	97	50.8	1	114.3	116.8	no	no	yes	choice1
no	no	1	1	1	2	2	1	1	1	94	166	yes	0	146	93	0	94	43.2	1	119.4	116.8	no	yes	yes	choice3
yes	no	3	3	3	3	3	3	3	3	101	167	yes	1	134	96	0	95	43.2	1	124.5	111.8	no	no	yes	choice3
yes	yes	0	0	0	1	0	0	0	0	41	158	no	0	116	74	0	95	34.3	0	81.3	81.3	no	no	yes	choice1
yes	no	1	0	0	0	0	0	0	0	71	167	no	0	120	71	0	90	38.1	0	106.7	86.4	no	yes	yes	choice3
no	no	2	2	2	2	2	2	2	0	64	145	yes	0	109	77	0	96	33	0	96.5	96.5	yes	no	yes	choice3
no	no	1	1	0	0	0	0	3	0	53	151	no	0	132	79	0	94	33	0	94	86.4	yes	no	yes	choice3
no	no	2	0	1	3	3	1	3	3	69	174	no	0	124	76	0	98	35.6	0	94	99.1	no	no	yes	choice2
yes	no	2	0	0	0	1	0	1	0	82	155	yes	0	119	86	0	95	35.6	0	111.8	119.4	no	no	yes	choice3
yes	no	0	1	0	0	1	0	1	0	89	152	yes	1	117	67	0	97	40.6	0	116.8	127	no	no	yes	choice3
yes	no	0	1	1	2	1	0	1	0	84	146	yes	1	124	83	0	97	36.8	0	99.1	116.8	no	no	yes	choice2
yes	no	1	1	0	2	1	0	3	0	60	164	no	0	136	89	0	97	35.6	0	78.7	88.9	no	no	yes	i
no	no	0	0	0	2	1	0	2	0	88	165	yes	0	129	87	0	95	41.9	0	104.1	109.2	no	no	yes	choice3
yes	no	1	0	2	1	2	0	2	0	79	152	yes	0	117	77	0	98	33	0	106.7	111.8	no	no	no	choice3
no	no	1	2	0	3	2	0	2	0	67	156	no	0	99	80	0	97	35.6	0	99.1	99.1	yes	no	yes	choice3
yes	no	2	0	1	2	2	0	0	0	79	173	no	0	126	80	0	96	38.1	0	101.6	96.5	no	no	yes	choice2
no	no	0	0	0	1	0	0	0	0	110	148	yes	1	182	81	1	94	45.7	1	134.6	132.1	no	yes	yes	choice3
no	no	2	2	1	1	1	1	1	0	102	170	yes	1	140	85	0	93	45.7	1	124.5	109.2	no	no	yes	choice3
yes	no	3	2	2	3	3	0	2	0	89	173	no	0	144	90	0	96	40.6	0	102.9	108	no	no	no	choice3
no	no	0	3	0	2	1	1	2	0	79	149	yes	1	123	69	0	97	40.6	1	114.3	109.2	no	no	yes	choice3
yes	no	0	0	1	3	3	3	3	0	119	176	yes	1	146	74	0	95	43.2	1	132.1	124.5	no	no	yes	choice3
no	no	3	3	3	0	3	0	1	0	75	155	yes	0	138	69	0	97	34	0	102	102	no	no	no	choice2
no	no	1	0	0	2	2	0	3	0	77	147	yes	1	135	89	0	96	38.1	0	104.1	114.3	no	no	no	choice3
no	no	0	0	0	0	1	0	1	0	70	148	yes	0	165	73	1	96	38.1	0	119.4	127	yes	no	yes	choice2
yes	no	0	1	1	1	1	0	1	0	55	152	no	0	130	103	0	97	33	0	76.2	86.4	yes	no	yes	choice3
no	no	0	0	3	2	2	0	3	2	128	152	yes	1	150	83	0	93	35.6	0	139.7	152.4	no	no	no	i
no	no	3	3	2	2	2	0	2	0	98	176	yes	0	121	82	0	98	45.7	1	114.3	109.2	yes	no	no	choice2
yes	no	0	0	1	2	3	1	3	0	83	153	yes	1	139	94	0	76	35.6	0	111.8	121.9	no	no	yes	i
no	no	1	1	1	1	2	0	3	0	85	175	no	0	140	85	0	98	40.6	1	99.1	91.4	no	no	no	choice2
yes	yes	3	0	3	3	3	3	3	3	92	178	no	0	146	109	1	96	104.1	1	104.1	106.7	no	no	no	choice2
no	no	0	3	0	3	3	0	0	0	78	147	yes	1	128	83	0	94	35.6	0	104.1	116.8	no	no	yes	choice1
no	no	0	2	0	1	1	0	3	0	62	158	no	0	154	85	1	95	35.6	0	106.7	157.5	no	no	no	choice3
no	no	1	1	0	1	3	0	0	0	55	165	no	0	120	68	0	63	35.6	0	76.2	86.4	yes	yes	no	choice3
no	no	0	0	1	0	0	0	3	0	75	151	yes	0	134	90	0	90	36	0	106	117	no	no	yes	choice2

77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102
mallampatti_photc	tonsil_grade	fbs	hba1c	insulin_level	Baselinecholestrol	Baselinetriglyceridı	Baselinehdl	BASELINEvldl	ldl	ph__abg	pco2_abg	hco3_abg	sao2_abg	hb	hct	rdwcv	mch	mchc	mcv	ferritin	pft_fvc__post_bdr	pft_fev1__post_bd	pft_fev1fvc_post_b	tsh	serum_bicarbonate
	iv		81			186	173	32	35	119	7.364	70.9	26.6		14.9	46.6	14.4	27	32	84.04		79	76	99	6.88	
	choice6																								
	choice6																								
	choice6																								
	choice6																								
	choice8		82			68	393	3	23	42														3.2	
	choice9		94			153	107	24	21	107	7.392	35.9	21.3		15.5	46.7	13.6	30.9	93.2	33.2		74	83	87.7	0.627	
	choice7		123			173	146	27	29	116	7.409	39	24		12.6	39.7		27.4	31.7	86.3		75	84	90	1.23	
	choice9		212			212	95	47	19		7	34	23		14	50	13	29	32.9	89		87	88	81.1		
	choice8		120			159	142	29	29	101	7.4	38	23		14.3	43	13.8	34.4	33.4	102.9		86	93	82.9	2.45	
	choice8		115			281	119	49	24	208	7.4	37	23		13.7	44	14.4	28.7	32.3	88.7		76	77	73.8		
	choice7		87			208	214	30	43	135	7	30	20		18	55	14	29	32.8	89					2	
	choice7		100			194	95	49	19	126	7.426	35.2	22.6		13	41.8	15.2	27.5	31.1	88		74	83	73.1	1.616	
	choice8																								
	choice8		118			156	181	47	36	2	7.394	37.4	22.3		15.8	44.24	14.6	29.2	30.4	97.7					1.84	
	choice8		98			174	105	36	21	117					11											
	choice7		94			201	150	41	30	130	7.36	45.5	25.7		15.7	47	13.6	29.3	33.4	87.8		70	72	83	1.6	
	choice9		96			46	204	46							14										3	
	choice7		99			225	124	55	25	145	7.41	44.7	28		17.4	52.9	15.4	28.1	32.9	85.3		54	49	72.2	1.94	
	choice9																								
	choice7																								
	choice8		131			186	99	46	19	94	7.383	35.4	20.6		10.4	49.9	47	29	34	88		76	75	94		
	choice7		154			282	266	33	53	196	7.43	36.9	24		16.9	50.1	13.5	27.7	33.7	82		67	72	82.2	3.16	
	choice6		89			211	153	30	31	150	7.39	41.1	24.7									79	82	84.4	1.66	
	choice7		100			180	147	37	30	113	7.387	39.5	23.2		15.9	44.5	13.2	29.3	31.5	93		78	82	100	7.96	
	choice7		64			236	147	39	30	168	7.36	38.5	21.4		13.9	43.6	14.6	27.4	31.9	85.9		72	75	82.2	2.03	
	choice7																								
	choice7																								
	choice7		90			156	103	38	21	97					10.5	34		25.6	30.6	83					1.49	
	choice7										7.3	35.6	29.4		10	49.6						56	51	107		
	choice7		99			177	128	27	26	124	7.41	38.8	24.1		15.1	43.7	14.2	29.7	34.3	85.9		63	63	77.8	3.61	
	choice8		72			178	173	28	35	115	4.374	35.2	20.5		14.3	45.2	14.2	28.7	31.7	90.7		87	101	87.3	2.09	
	choice7		77			191	99	46	20	125															
	choice7		110			173	174	38	35	110	7.4	41.8	25.7		13.4	44.9	16	28.2	29.8	94.3		65	71	84.3	2.31	
	choice7																								4.85	
	choice7		101			179	71	54	14	110					12	38	15	24	30.9	74						
	choice8		85			81	57	26	11	43	7	35	21		13	41	14	29	32.6	90		48	35	73.1	2.6	
	choice7		106			212	109	42	22	148	7.44	35.6	23.7		12.9	43.7	17.6	19.1	29.5	64.5		66	68	69.9	8.45	
	choice8		80			166	83	32	17	117					15.8	43.8	15	29.5	36	81.8		106	103	80.1	1.67	
	choice7		80			180	156	50	31	100	7.4	39.3	24.6		12.9	42.9	14.2	31	35.6	86.9		108	101	81	1.8	
	choice7		102			118	56	39	11	68	7.42	35.5	22.6		13.4	36.3	14.2	29.8	36.9	80.8		85	85	75.8	2.33	
	choice8		94			188	100	38	20	143	7.3	37.6	22.7		15.2	48.5	14.5	31.5	36.7	86		85	85	86.5	0.6	
	choice7		102			219	138	37	28	154	7.39	37.8	22.7		16.6	44.8	13.6	33.9	37	91.5	111	85	84	78	3.82	
	choice8		107			181	118	44	24	113	7.47	28.4	21	13	35.6	13.5	35.6	29.9	36.5	81.8	93	69	65	69	2.72	
	choice7		93			230	113	44	23	163	7.3	27.4	19.5		13.3	40	15.5	31.4	36.4	86.31		104	109	83.2	5.13	
	choice7		161			144	118	50	24	70	7.3	37.6	24		15	45	14.1	30	36.3	82.7		73	70	73	1.65	
	iv		94			190	120	41	24	125	7.4	31.9	21.1		15.6	43	36.2	27	36.2	77		94	94	83.6	1.88	
	choice8		92			232	153	31	30	170	7.3	40.3	23.7		14.1	49.6	14.7	30	35.8	83.7		79	85	108	2.14	
	choice7		114			189	108	28	22	139	7.37	40.5	23.1		13.9	39	14.4	26.8	35.7	75.1		83	103	119	1.93	
	choice7		174			235		45		174		37.5	21.4		11.6	42.3						75	84	108	5.8	
	choice6		85			173	190	36	38	99	7.362	44	24.5		18	49	13.3	33.3	36.8	90.7					4.38	
	choice6		97			176	146	35	29	111	7.3	38.3	22.2		15.2	42	14	32	36	91			79	87	3.18	
	choice7		90			201	207	22	41	137	7.394	38	23		15.5	46.9	14.1	31.4	33.1	94.7		85	85	82.9		
	choice8		70			125	89	34	18	74	7.3	48.7	28.7		14.6	46.5	14.9	36.3	31.4	83.6		53	81	86.4	1.83	
	choice6		117			302	149	55	30	217					12.6	48.1	14.2	29	355	81.8		79	71	61.3	0.34	
	choice7					199	169	32	34	4	7.374	39.9	22.8		13.1	49.3	13.2	30.1	32.6	92.4		78	82	86	1.11	
	choice7		213	126		126	53	48	17	61	7.3	38.8	21.9		13.7	31.9		27	31	87		85	88	111	1.27	
	choice6		104			203	196	45	39	118	7.38	70.5	23		15.5	47.2	13.7	26.9	32.8	82		75	79	80.9	1.65	
	choice7		119			147	149	40	30	77	7	46	26		13	48	14	30	33	90	0	70	72	76	0.78	
	choice7		292			149	135	45	27	77					13.5	39	14.5	78	26	78					2.26	
	choice8		99			209	125	44		150	7.429	37.1	24		13	47.8	14.7	29	349	85		80	95	88.3	3.19	
	choice7		102		261	106	48			202	7.39	29.6	17.6		14.37			31	35	86		99	102	84.7	4.27	
	choice7		81			225	99	63	19	142	7.408	37.9	23.4		11.2	42.4	13.5	27.2	35.2	85		96	108	85	2.29	
	choice7		100			242	97	48			7.4	42.9	26.4	13.9												
	choice6		85			161	61	51	12	97	7.409	35.4	21.9		11.2	41.3						103	100	74	1.02	
	choice7		87			141	122	39	24	101	7.3	44.5	26.5		12.6	40.8	12.2	27	30	87					0.93	
	choice8		205			211	139	44	27	138	7.399	39.8	24.1		13.5	48	12.8	26.4	33.4	79.1		68	73	82	0.92	
	choice8		177			153	220	50	43	1	7.391	45.3	26.9		11.6	40	16.9	27.2	27.9	97.4		52	49	75	1.9	

choice7	123		215	129		25	140	7.399	40.9	24.7		11.9	45.8						80	83	73.6	2.29
choice7	94		196	151	41	30	3	7.34	42.1	22.2		13.9	50.8	12.4	30	32.9	91.5		86	100	85	1.73
choice8	92		238	376	43	75	119	7.3	38.6	22.1		14.7	44	13.5	28	32	86		84	87	83.6	1.39
choice8	201		125	106	37	21	66					11.4	33	20	19	33	58					0.76
choice7	110		198	146	42		127	7.4	34.2	20.7		12.4	46.3	13.2	28.4	32.8	86.5		85	94	78	0.66
choice6	94		174	159	42	31	123	7.386	37	22		11.7	45	14.4	33.9	32.5	104.5		71	77	80	3.6
choice6	117		144	123	25	24	94	7.394	32.9	19.6		12.6	45	13.2	30.5	33.1	92		97	107	83.6	1.62
choice7	88		205	141	41	28	135	7.113	32.5	20.3		9.7	32.8	13.7	27.3	32	85.2		91	85	78	2.02
choice7	103		162	86	49	17	114					10.5	32.5						63	68	75.4	0.003
choice8	172		144	265	19	26	99	7.393	33.5	19.9		12.9	40.5	13.8	29	35	83		74	81	83	3.52
choice8	107		150	112	27	22	100	7.386	38.6	22.7		10.2	35.1	15.7	25.6	31.2	81.8		56	67	81	1.64
choice8	98		126	90	41	18	67	7.2	26.8	12.3		10.6	38.9	23	20	27	73					2.1
choice8	259		203	135	31	27	145	7.4	38.3	23.1		12.9	37.9	12.2	29.9	34	88		78	94	82	0.6
choice8	92		165	80	28	16	121	7.369	34.5	19.5		15.6	48.6	15.6	30.8	32	96		65	78	87	1.48
choice7	106		178	116	27	23	127	7.357		27.5		13.1	39.9	13.2	29.2	32.7	89.5		95	101	108	6.55
choice8	91		184	206	36	41	106	7.391	37.9	22.5		13.3	41.2	13.9	28.4	32.3	88		82	80	81	2.43
choice8	137		133	160	30	32	71	7.354	41.9	22.8		15.3	46.5	13.8	28	32.8	85.2		72	87	80	2.73
choice6	194		126	95	29	19	78	7.39	37.5	22.2		11.1	42.1						63	74	81	
choice7	83		176	115	30	23	123	7.3	38.5	22.3		13.7	45.4	13.7	33	33.6	98.4		98	102	85	3.26
choice7	84		219	128	52	25	141	7.3	42.9	25.1		12.5	45.8	15.8	27.5	31.2	88.1		54	54	67.4	2.83
choice7			135	91	46	18	70	7.41	35.1	21.9		12.54	41.8	13.7	29.5	31.8	92.8		79	88	71.2	1.82
choice7	92		174	50	33	10	131	7.3	41	21	92	13.2	41	14	28	31	88		52	65	78.9	0.66
choice8	146	7.4	138	81	59	16	62	7.4	33.7	22.2	97	7.5	26.4	19	16.5	28.4	58.1					2
choice6	113		156	111	33	22	100	7.4	38	23	96	13	40	12	28	33	84		97	106	82	2.25
choice6	110		209	250	40	50	119	7.4	29.4	17.8	98	15	44	13	29	33	87		102	109	83.8	4.32
choice8	93		212	196	36	39	136	7.4	33.7	21		14.9	43.9	12.5	26.5	33.9	78.1		96	101	80.1	2.19
choice7	86		184	180	39	36	109	7.4	38	24	95	13	42	17	28	31	89		48	52	79	5.7
choice8	96		250	190	46	38	165	7.4	36			14	40		21	35	89		89	91	77	2.41
choice7	151	11.6	193	125	48		120	7.3	38.7	23.7		11.6	39.5						99.32	101.2	101.8	4.25
choice8	82		166	148	45	29	91	7.39	27.5	18.8	98.1	15.3			27	32	85		126	125	77	1.7
choice6	86		186	170	39	34	113	7.3	38	23	97	13	41	15	29	31	92		94	94	78.3	4.46
choice6	93		175	78	56	15	103	7.3	46.9	27.7	96	14	46		23	30	46		80	88	85	20.2
choice7	103		155	195	43	39	73	7.4	38.5	23.8	93.8	10.2	33	13.9	27.4	30.7	89.2		56	68	80.2	4.41
choice7	92		202	138	38	27	136	7.39	38.7	23.4	95.4	16.4	49.1	14	32.9	33.3	98.6		82	87	72.7	3.42
choice7	92		182		46		2	7.41	89.6	20.1	97.4	14.1	40.5						72	78	111	2.73
choice7	120	6.8	128	85	37	17	74	7.4	37	22.5	96	13.2	38.5	12.9	28.5	32.9	86.8		80	82	103	4.14
choice9	90		129	90	36	18	75	7.3	37	21	96	13.2	42	16	25	31	83		97	114	81.9	2.46
choice8	90		164	49	49	9	105	7.33	52.3	27.3	91.9	10.1	41.7	18.2	20.8	28.4	73.3		55	60	106	2.63
choice9			142	322	26	27	89	7.33	34	17.6	95.1	17.5	61.8						99	121	115	1.89
choice8								7.3	50.1	28.8	94.3	12.8	41.8	14.2	27.5	30.7	89.5					
choice7	88		184	108	52	21	110	7.4	35	21	95	16	50	14	28	31	89		82	78	71	5.65
choice7								7.4	25.6	19.4	98.3	11	40.5	13	27.5	31.7	86.8		96	105	87.3	
choice9	120		282	176	40	35	206						30	17	16.9	29.9	56.7		82	93	110	1.25
choice6	112		175	148	53	29	92	7.41	38.5	23.9	95.6	13.8	48.4	16.6	27.5	31	88.9		91	104	115	4.15
choice7	87	7	117	55	40	11	66	7.3	38.5	22.9	96.1	13.1	41.3						104	105	103	1.38
choice7	89		185	68	47	13	124	7.35	54.2	29.6	92.7	11.4	43.4	13.21	29.3	31.2	94					2.28
choice9	109		219	156	36	31	136	7.4	32.1	23.6		15	45						82.2	81.1	79.31	3.1
choice6	104		130	136	41	27	61	7.3	42.1	24	93	15.3	48.5	14.3	27	31	86		75	91	87.1	2.48
choice7	81		139	64	36	12	90	7.3	69	37	92	15.9	52	15	30	30	101		55	60	71.9	2.37
choice6	100		191	442	30	88	77	7.3	41.6	24.4	96	14	44	12.3	28	32	88		100	108	88.4	2.05
choice8	107		190	153	29	30	130	7.35	36	21	96	15.4	51	13.2	27.9	33.1	84.4		2.64	2.01	76.1	1.92
choice6	80		138	49	71	9	57	7.4	38	27	96	11.6	36	14	26	32	81		54	58	72.8	4.1
choice8	85		121	154	24	30	66	7.3	39	22	95	13	43	15	25	30	81		58	69	82.1	4.14
choice7	93		228	288	38	25	165	7.42	31.2	20	97.6	15.3	49.4	14.5	26.9	31.7	84.9		94	97	106	3.57
choice8	97							7.3	41	23	95	14.8	46.8	14.9	29	31	93		4.46			4.46
choice9	79		113	107	35	21	56	7.3	52.6	49.7	29.2		40.3	21.4	22.8	27.8	81.9	8	52	49	74.3	2.56
choice7	95		174	115	65	23	86	7.3	67	33.8												
choice8	97		175	71	41	14	119	7.3	38.3	22.8		14.2	44.4	13	26.5	32	82.9		86	79	79	2.58
choice8								7.32	33.7	31.6		14.5		15	27.1	29	91.2					1.13
choice7			185	110	40	22	123	7.35	38.2	21.5	94	13.9	41	14.5	25.5	31.4	81.1		75	70	75.6	1.42
choice7	96	7	179	141	41	28	102					12.8	40	14.6	27	31	85		87	99	78.7	5.98
choice9	101	6.5	114	109	49	21	43	7.36	37.5	21.3	94.2	16.6	49	13.9	29.8	30.4	97.9		71	79	79	2
choice9	93	6.4	208	175	66	35	107	7.42	31.5	20.7	92.4	14.6	43	13.3	29.8	31.3	95.3		74	88	72.4	3.41
choice9								7.4	43.6	26.8		8.2	46.1	18	26.2	29.9	87.7					1.24
choice6	92		215	158	42	31	141					13	41.8	15	26.4	31	85.1		95	100	105	5.26
choice7	89		177	132	61	26	89	7.4	43	29	95	11	36	16	24	30	80		78	76	79.3	4.01
choice7	124		153	172	37	34	81	7.43	42	27.9	92	9.9	32		27	33	81					4.3
https://www.comn choice8		6.9	169	178	44	35	1.98	7.405	26.7	16.9	97.3	9.1	34.8	15	28.4	34.5	82.3			101	115	5.24
choice7	90	6	138	211	41	42	54	7.4	36.1	24.3	90	12	41.1	12.2	29	33	87.9		70	67	81.7	4.61
choice7	112		182	142	35	49	10					10		13	25	28	84					
choice7	93		107	167	27	33	45	7.43	40.4	26.7	96.2	10.3		17.5	29.1	30.9	94.1		65	65	78	2.03
choice8	89		185	255	38	14	133	7.4	33.6	22.9	97.1	10.8	36.4	45	21	29	71		77	89	74.4	2.48
choice6	99		194	108	47	21	133	7.4	38	23.8	97	13.7		13.5	33	37	89		88	97	78.4	2.87
choice7	106		185	156																		
choice8	135		125	99	41	19	83								30.2	34.6	87.2		80	89	72.6	2.51
choice9	155	8.4	122	147	37	29	54	7.43	42.2	27.7	96.4	13.2	41.4	13.5	27.3	32.5	84.1		76	71	77.5	2.84

choice8	106		168	136		27		7.49	29	21.8	96	15		13.4	30.8	33.5	91.9		56	43	72.5	2.6	
choice8	93		197	123		25		7.42	36.1	24.6	95.2	16	47		30.2	35.2	79.1		69	77	70.4	2.66	
choice9	165	6.2	164	69	36	14	114	7.51	29.3	23.5	97.4	11.3	33	12.9	30.13	33.81	89.11					1.33	
choice7	117		215	90		18		7.42	34.9	22.1	96	15	44	13.3	27	38	81		107	115	85.3	2.61	
choice8	134		86	68		13		7.43	38.8	26	92	12.4	44	18	28	18	86		40	32	58.1	1.55	
choice6		6.8	203	82		16		7.38	36.4	21.9	98.1	14.3	42.9	16.6	26.5	32.3	82		57	40	73.4	2.18	
choice9	119		207	147	43	29	134					15.8	51.1	14.1	28.6	30.9	92.3		69	78	86.5	1.44	
choice8	101		154	121	47	24	83	7.47	26.2	19.6	96	15.2	46.7	13.1	28.1	32.6	86.1		74	89	86.7	1.14	
choice9	141	7.7	142	111	42	22	78	7.44	32.2	22.2	97.2	13.4	40	16	22.1	30	73.7		75	72	74.7	1.01	
choice7	104		198	90	48	18	132	7.45	70	23.9	95.2	10.4	35.5	17.9	21.2	29.1	72.7		66	78	81	7.02	
choice6	109	6.1	205	125	41	25	139	7.41	29.7	19	95	16	49.2	13.7	28.1	32.5	86.6		62	70	86.3	2.85	
choice7	107		68	180	9	36	23	7.9	25.7		97.2	11.1		30	28.42	36	78.95					0.48	
choice9	104		231	145	40	29	162	7.44	30.3	20.8	98.2	13.6	41	13.3	26.9	31.8	84.6		75	78	79.7	2.74	
choice8	92		161	114	41	22	96	7.4	33.9	21.6	81.3	14.7	45	19.2	22.7	32.3	70.1		84	106	89	8.85	
choice9	98		141	112	30	22	88	7.41	30.1	19.7	97.1	12.9	39	17.2	21.4	35.4	60.5		104	117	75.5	0.89	
choice9	102		121	71	46	14	60	7.44	31.1	21.3	95.6	11.7	39.3	16.2	20	29	68					3.43	
choice7	266	11	117	113	34	22	60	7.44	32.8	22.4	90.9	13.5	41.4	13.9	26.6	31	86					3.68	
choice8	88		153	114	51	23	78	7.38	45.2	26.4	91.9	17.4	53.1	18	26	30	87		44	32	72.5	1.76	
choice8	96							7.44	42.1	28.5	92.7	19.1	59.3	14.3	31.2	31	96		38	28	57.7		
choice6	106		183	167	43	33	106	7.41	30.8	19.8	97	16.4	49.2	12.8	28	33	85		99	96	77	2.73	
choice6	95		205	131	47	26	132	7.45	30.8	21.6	95	13.9		13.2	28.3	33.7	35.3		96	105	79.1	1.21	
choice8	94		199	132	54	26	118	7.48	31.9	24.2	98	11	33	13.2	31.7	33.1	95.7		84	92	72.8	30.5	
choice7	138		205	125	48	25	131	7.32	40.2	20.3	91	15.6	51.3	18	26	30	86					2.84	
choice8	109	5.54	239	347	46	89	103	7.41	35.2	22.3	96.7	15.8	49.3	14.4	27.2	32.2	84.9		92	94	84.8	1.65	
choice7			138	60	73	12	53	7.45	26.9	18.9	98.2	13.3	40						65	59	71	2.17	
choice8	100	5.92	199	142	36	35	142	7.42	37.2	23.7	94.4	14.7	44.1	13.2	27	33	82.4		92	113	83.5	4.52	
choice6	110		171	76	42	15	127	7.39	38.5	22.9	97.2	13.4	43	14.5	28	31	92		75	83	83.7	2.12	
choice8	86		210	116	50		136	7.38	42.2	24.6	93.8	15.6	47.7	14	29	33.8	86		66.12	67.19	81.67	1.64	
choice9	110		141	133	29	26	83	7.44	34.9	24.6	97.3	10.3	32	21.5	17.8	26.6	66.6		67	79	72.9	3.69	
choice8								7.48	44.8	32.9	91.7	13.7	42	17.7	22.6	28	80.8		52	40	74		
choice7	207		172	226	44		82	7.39	35.2	22.4	95.4	14.5		14.1	25.5	32.2	79		86.6	99.9	89.7	3.1	
choice8	112		153	95	58	19	75	7.43	27.6	18.8	84.6	14.8	43	12.9	29	33	88		81	85	72	3.99	
choice7	108		139	99	45	19	74	7.41	29.5	19	99	16.2	49	15.1	26	32.3	80.6		93	95	83.6	4.73	
choice7			133	85	40	17	97	7.44	38.3	25.8	86	13	40.1	14	31	32	98					2.49	
choice8	91		236	200	41	40	132	7.42	29.7	19.7	98	15.5	46						93	100	82.9	2.43	
choice9	107	5.96	204	91	51	18	134	7.44	30.1	20.8	98	14.2	43	13	30	33	91		97	100	75.5		
choice7	102		177	118	51	23	102	7.38	37.9	22	75	9.6	29.8	16.8	22.2	30.4	72.9		86	89	74.3	7.85	
choice7	75		194	124	57		111	7.42	33.8	21.6	97.5	15.3	46.9	14.6	23.8	26.2	91		106	121	74.6	2.93	
choice8	97		262	350	36	70	156	7.36	39	21.9	94	13.8	42.3	15	24	28	86		81	93	75.1	6.06	
choice7		6.83						7.48	37.1	27.5	27.5	98	13.3	40.8	16.1	31.5	34	92.6					
choice8	144		208	141	42	28	137	7.42	36	23	94	13.7			32	34	95		93	93	79.9		
choice6	101		128	125	34	25	68	7.4	45	29	98	14.3	44.9	14	26	31	83		94	93	79.8	3.75	
choice8	108		147	100	38	20	88	7.39	37.3	22.5	96	13.2	40.6	13.8	28.6	32.5	87		76	75	72.7	2.27	
choice6	93	5.5	186	134	46	26	113					15	45	12	27	37	82		75	87	82.7	85.7	29.72
choice7	91		211	121	54	24	132	7.36	36.7	20.4	94.1	13.5	41.6						76	76	84.6	5.53	
choice8	72		150	115	49	23	77	7.42	34.7	22.3	97.4	13.6	41.7	14.6	30.5	34.5	88.4		55	58	79.4	3.12	
choice8	110		171	115	56	23	91	7.41	33.4	21	93.4	10.6	32.6	15.4	26.1	31.6	82.6		71	72.1	6.84		
iv	76		150	101	27		112	7.39	36.8	23	95	14.7	45.1	14.4	29.8	33.4	89		101	114	89	4.62	
choice8	140		175	111	42	22	110	7.43	29.3	20	98	14.7	44	13.3	31.5	32.3	98		64	67	73.7	3.88	
choice8								7.4	45.7	27.7	90.9	15	46	12.6	28.5	31.4	90.9						
choice6	92		159	143	37	28	93					14.2	46.2	17.2	20.2	30.5	66.1		107	109	76.6	4.34	
choice9			207	416	50	83	73	7.41	39.5	24.5	93.5	13.4	41.2						32	34	77.8	1.57	
choice6	176		175	135	42	27	106	7.4	36.6	22.2	96	13.4	40.2	17	25	35	71		108	116	86	1.41	
choice8		7.3	197	174	43	34	119	7.4	51.1	32.8	96	13.1	39	14.4	26.9	30.2	88.9		74	86	74.3	3.16	
choice8	100		152	199	57	39	78	7.46	52.1	38	96.2	14.1	42						59	72	69.9	4.5	
choice7			88	93	20	18	49	7.41	58.3	37.5	95.6	15	45	17.3	25.9	29.8	86.9						
choice8	109	5.8	126	78	36	15	75	7.44	126	42.3	29.3	99	13	15.4	35.8	33.1	108.2		87	92	76		
choice6	86		180	132	42	95	52	7.42	42.3	32	84	11.2	42	14	27	29	84						
choice8	94		185	177	34	28	122												96	94	75.2	1.8	
choice7								7.63	28.5	30.6	96	4.9	15	15.6	25.4	30.7	82.8		63	53	72.1		
choice8			235	183	63		135	7.41	33.7	22.7	94	15	46						68	74	72	2.23	
choice7	122		220	470	51	94	74					13.9	44.3	15.1	26.3	31.4	83.8						
choice6	200		174	83	65		90	7.41	29	20.3	97	10.5	26.9	13.7	30.2	39	77		72	80	83.6	2.08	
choice8			175	89	50	17	107							14.5	28.1	32.5	86.4		104	129	66.4	1.82	
choice7	99		185	93	41	18	125	7.44	44.6	30.6	86.9	12.7	38		28	31	90		28	42	73.3		
choice7	114	6.3	161	128	52	25	82	7.4	34	23	97	10							61	52	68	1.4	
choice8	88	5.8	215	173	63	34	117	7.4	27	18	97	12	36						82	99	81	1.8	
choice7																			72	80	76	3	
choice7								7.4	46	29	96	15	38	18	22	29	78						
choice8	165		131	140	41	17	88	7.4	43	25	94	14	41						42	49	84		
choice8	146	6.8	189	292	38	58	92	7.4	36	23	96	13	44	15	30	32	91		77	86	79	5	
choice6	93		195	119	33	23	160					15	45	40	29	33	90		85	89	87	1	
choice9	96		213	70	62	14	138												38	31	59	0.8	
choice9	114	7.6	211	240	40	47	149					14	44	15	29	32	89		68	79	87	2.6	
choice7								7.411	42.9	26.7	93.1	13.8	42.8	12.9	31.5	32.2	97.7	0	66	37	43.1		
choice8	91							7.389	43.1	25.5	96.1	12.7	40.9	15.4	27.7	31.2	88.8						

	choice8		6.3	207	160	55	32	120					10.2		17.6	27.1	30.5	88.7		86	97	83.1	3.69
	choice9	343	14.2	99	419	14	65	19	7.413	31.6	19.7	95	11.1	35.7	15.2	26.5	31.1	85.4		54	56	77.9	7.08
	choice7	84		199	131	37	26	136					15.8	48.9	13.3	27.9	32.4	85.9		54	56	73	1.7
	choice8			205	154	47	30	127					11.4	37.4	16.6	20.5	30.4	67.3		75.2	76.1	81.6	1.6
	iv		5.9	247	267	45	53	159					15.5			30.5	33	92.1		67	76	90.6	6.45
	choice9	92	5.1	176	111	37	22	116	7.42	34	21.4	96	17.2	51.4	13.3	29.7	33.4	89		87	92	84	2.75
	choice6	118	4.5	162	78	61	16	85	7.385	26.9	16.2	95.2	10.3	31.9	16.6	30	32.2	93.2		45	48	68.5	1.4
	choice6	112		179	97	53	19	98					16.7	51.2	14	27.1	32.6	83.2		88	90	101	4.58
	choice7								7.412	51.1	33.5	84.5	15.8	48	14.8	29.4	30.2	96					0.49
	iv		5.8	190	89	45	17	137		33	2	91	13.8	47	12.8	33.7	32.1	104		66.4	59.6	72.6	3.13
	choice6	122	6.3	150	192	37	38	74	7.373	40.4	23	96	12.3	41.5	17	21.3	29.6	72.1		86	99	86.5	4.51
	choice6	114	7	123	63	42		68	7.446	35.5	25	95.4	12.5	43.7						52.5	51.9	77.4	2.303
	iv	100		140	126	35	25	95	7.3	40	24.1	95	14.7	44.9	14.6	28.6	32.8	87.4		66	70	79.6	9.88
	choice7	597	9.1										12.4	39	15.1	27	31.6	85.4		59	46	62.7	
	iv								7.375	58.3	37.7	7	9	45.1	19	24.7	30.8	80.8					
	choice8			168	148	42	29	95					9.1			20.68	30.85	67		71	85	82	3.76
	iv								7.4	42.4	27.9	95.2	13.2	40									
	choice8	116	23.5	235	133	61	26	147					16.7		17								2066
	iv	170	9	248	281	47	40	161					12.1	38	17	27	31.5	86					2.27
	iv	90	6.5	160	135	55	27	78					13.9	46	17	26	29	89					14.4
	choice9	87		223	121	52	24	170					9.5	28	15	27	33	82					
	choice7	110		109	155	53	31	25	7.4	29	20	99.8	16.3	49	12.5	31.2	33.3	93.9					2.18
	iv	152		221	205	47	41	133	7.3	37	20.9	71.8	15.2	44.8	13.1	27.6	32.4	85.2					1.72
	choice6	96	6.2	177	171	60	34	83	7.425	27.4	18.1	98	11.6	35									1.65
	choice9			196	140	33	28	136	7.4	31.9	20.7	95.9	13.1	39		24	32.2	74.6					0.03
	choice8	102		146	136	41	27	77	7.4	34	23	97											1.31
	choice6	118	5.8	157	120	49	24	84					11.2	34.1	17	33	32	102	991	53	48	72.6	3.3
	choice6	118	6.5	110	134	31	26	52					14.7		12.8	29	35	82		79	92	76.1	1.62
	choice6	81	5.4	213	254	32	51	163	7.387	40.4	23.7	96.9	16.3	46.7	10.8	29.9	34.9	85.5					2.3
	choice6	166	6.9	188	161	37	32	119	7.52	41	34	96	13.2	38	13.8	27	34	78		87	102	84	3.58
	choice6	113	6.8	97	84	44	16	36	7.4	41	24	99	14.2		11.9	29.9	33	88		58	66	86	1.57
https://www.comn	choice6	148	7.8	233	145	41.8	29	162.2					11.9	36.3	15.4	27.7	32.8	84.3					
	choice6	98	6	200	119	54	23	121					13.6	43.5	12.5	28.8	31.3	92.2		91	106	79.4	1.42
	choice9	144	6										10.6	32		25.2	33.1	76		1.35	1.11	82.9	0.61
	choice9	92											10.2	32.7	15.9	23.8	31.2	76.2					
	choice6	144	6.56	152	125	30	24	96	7.5	42	34.8	99	10.8	33	14	26	31.9	83.5					2
	choice9	103		194	253	34	50	108	7.4	35	23		14	38		27	32	83.9					3.17
	choice8	159		221	311	47	60	113							13.5	25.81	30.19						
	choice6	100	5.6	202	136	43	27	131					15	46	12	29	33	88					2
	choice8	109		201	137	47	27	127	7.4	38	25	98	17	48	12	29	35	83		4.58	3.88	84.7	
	choice7	176	8.3	130	110	45	22	62	7.4	37.1	23.3	94.3	11.7	37.6	17.5	27.9	31.1	89.7					2.02
	choice8	109							7.425	42.9	24.2	98.5	10.5	35.4	14.6	28.3	32.8	86.2					
	choice7																						
https://www.comn	choice8		6.5																				59.95

103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
any_other_disease	possible_diagnosis	misc	RLS_score	ESS_Total	BMI_calc	STOPBANG	ESS_Display	bmi	stop_bang_is_stop	@case_id	update_Patient_Na	update_Name	update_study_dom	update_Date_of_p	update_gender	update_mobile	update_age	update_do_you_ha	update_what_is_yc	update_do_you_fe	update_do_you_fe	update_does_dayti	update_do_you_na	update_do_you_dr	update_how_many
	osa			17	39.18367347		OK	OK	OK	9a8381f5-0db2-4c7c-bd3f-595708025	amit Kumar saraf				male		37	no	hypersomnia loud_	yes		1	yes	yes	yes	2
	osa			0	25.60553633		OK	OK	OK	0cd5bb26-f380-4951-b79e-3d59ac57(	Bhupendra chauhan				male		57	no	loud_snoring fatiga	no		1	no	no	yes	0
	osa	HTN, DM.		15	31.20256367		OK	OK	OK	8becac5d-4469-4668-a495-11212f2ff5	Deepali Shah				female		45	no	hypersomnia loud_	no		1	yes	no	yes	0
	osa			14	26.5625		OK	OK	OK	33bd09ca-1e7d-4a3c-9adc-8bbbd520(	M. D . dongre				male		69	no	hypersomnia loud_	yes		1	yes	yes	yes	0
	osa			13	26.31463532		OK	OK	OK	2e766ec7-5c57-45ff-b32f-6d1a11df1b	Lata verma				female		55	no	hypersomnia loud_	yes		0	no	yes	no	
	osa			14	23.14725512		OK	OK	OK	d7c7cf89-e22e-478d-b1ef-a99b27e4b(	Santosh Bankey				male		46	no	loud_snoring fatiga	yes		1	yes	yes	yes	0
	osa	RBD	3	11	31.21001217		OK	OK	OK	060aa2a3-0fa3-4107-ab5a-8be5609ad	Anurag Mishra				male		49	no	hypersomnia loud_	yes		1	yes	yes	yes	3
	osa		1	16	33.80205516		OK	OK	OK	c1bcc150-9c83-42e1-afb8-ba66aab18l	Shailendra Goyal				male		44	no	hypersomnia loud_	yes		1	yes	yes	yes	2
	osa			6	35.43667124		OK	OK	OK	69aa9b10-8938-48b0-99ad-f5c4331c5	Yogendra Rathore				male		42	no	loud_snoring	yes		1	no	no	yes	0
	osa			19	28.57796068		OK	OK	OK	27bc28f3-d824-45ba-9229-97c9bdd48	B N Shrivastava				male		65	no	hypersomnia loud_	yes		1	yes	yes	yes	3
	osa		2	16	31.22130395		OK	OK	OK	b13e8d08-f312-4232-a149-b27b4a12:	G K Mathur				male		61	no		yes		0	yes	yes	yes	0
	osa			5	30.48315806		OK	OK	OK	19eeac12-2dc5-48aa-8e97-acb4c75bd	S.C.Das				male		53	no	loud_snoring	yes		1	no	no	yes	0
	osa			5	30.42184965		OK	OK	OK	2d3b2cd0-30a1-47a3-95de-9be66b85(	Rajiv Singh				male		51	no	loud_snoring	no		0	no	no	yes	0
	osa			2	26.89232314		OK	OK	OK	2f34cd13-5ba7-4d72-ae97-2c5b9bb09	santosh joshi				male		58	yes	loud_snoring	no		0	no	yes	no	
	osa			0	32.65306122		OK	OK	OK	f9410b90-8cd6-4925-947a-746db2e1f	Devendra Makwany				male		52	no	loud_snoring	yes		0	no	no	yes	0
	osa			18	32.27078777		OK	OK	OK	adbb264f-5f2c-48ff-96b7-1bd5659831	Sudhir kumar				male		50	no	loud_snoring	no		0	no	yes	yes	0
	osa			14	26.2335558		OK	OK	OK	9a7dd07c-1142-4f83-9e34-dd2d5926(	satyanarayan patel				male		37	no	hypersomnia loud_	yes		1	no	yes	no	
	osa		3	6	30.91557669		OK	OK	OK	c66cb91f-dc55-436c-83fa-45d9fab75a	Leelavati				female		64	no	insomnia loud_sno	no		1	yes	yes	no	
	osa			11	40.58268187		OK	OK	OK	13a78673-90fb-4aed-8ff9-2f1f675b52	Pankaj Ringe				male		41	no	loud_snoring	yes		1	yes	no	yes	0
	osa			1	24.24391847		OK	OK	OK	7f4f2834-fb15-429a-aa0a-158f916a35	Anika Sharma				female		11	no	loud_snoring	no		0	no	no	no	
	osa			4	33.22753422		OK	OK	OK	9b49df11-81a5-49b0-bd87-8374e106(	Savita Dhingra				female		67	no	insomnia loud_sno	yes		1	no	no	no	
	osa			7	26.7299275		OK	OK	OK	c819a048-365b-47bb-8a45-2ce5f8e75	K.Goutam				male		53	no	loud_snoring fatiga	no		1	yes	no	yes	0
	osa			10	31.25		OK	OK	OK	afd61aa1-a4a8-4ae5-973f-0bb5c7645(	Neeraj Shrivastava				male		38	no	hypersomnia loud_	yes		1	yes	no	yes	0
	osa			16	31.96022727		OK	OK	OK	7b9c26fc-38cb-456c-9ca7-3a8091f446	Puneet Rawat				male		35	no	hypersomnia loud_	yes		1	yes	yes	yes	1
	osa		3	13	29.75778547		OK	OK	OK	b79dc8f3-bd94-49da-9071-eaebf4c91:	Akash Pethiya				male		34	no	hypersomnia loud_	yes		1	yes	yes	yes	0
	osa insomnia			0	23.91883029		OK	OK	OK	b2a7b134-09e7-47ec-99f0-c5c4a4d12	Rajaram Meera				male		49	no	insomnia loud_sno	no		1	yes	no	yes	0
	osa		3	6	20.93663912		OK	OK		244aa788-341c-4549-95c5-c58ceb158	Ravindra Tiwari				male		49	no		no		0	no	no	yes	0
	osa			16	32.56188509		OK	OK		042ae503-1613-4724-9481-a9c4d7f2t	Arvind Mehra				male		51	no	hypersomnia insom	yes		1	yes	yes	yes	0
	osa insomnia		3	0	30.38194444		OK	OK	OK	99f40532-0b1c-412b-87cd-903683884	Chanchal Bakshi				female		72	no	insomnia	no		1	no	no	no	
copd	osa			18	38.48498704		OK	OK	OK	2028a499-84cd-4cae-acb0-61f9d6512	Subhash Gupta				male		69	no	loud_snoring fatiga	yes		1	yes	yes	yes	0
	osa			8	28.69897959		OK	OK	OK	036f885d-c3c9-4b39-948c-35f1266c3(	H K Amar				male		51	no	hypersomnia loud_	yes		1	yes	no	yes	0
	osa			1	23.32341806		OK	OK	OK	8e142e6a-d6c6-4e39-a7a2-69d6576a:	Narendra Singha Chouhan				male		60	no	loud_snoring	no		0	no	no	yes	0
	osa		3	9	24.97704316		OK	OK	OK	d0b403f2-f25f-4279-9f91-279c9086b6	Abhishek Goyal				male		32	no	hypersomnia fatiga	yes		1	yes	yes	yes	0
	osa			14	40.23942458		OK	OK	OK	b6f93fb8-3779-415b-9c38-1e5378d40	Kiran Dubey				female		62	no	hypersomnia loud_	yes		0	yes	yes	no	
	osa			7	21.51385851		OK	OK	OK	5a258ea6-a441-4eb8-a1c9-428d5426:	Manshuk Lal Thakur				male		65	no	loud_snoring	yes		0	no	yes	yes	0
	osa			10	37.02161137		OK	OK	OK	bc80d22b-1be2-4630-b9c9-57f1e10e4	kiran Patwa				female		48	no	hypersomnia insom	yes		0	yes	yes	no	
	osa			10	23.93898977		OK	OK	OK	f68c4cc8-3f6f-4a2f-8b98-c94ca898ee1	Prakash Chand Bareley				male		63	no	loud_snoring	no		0	no	no	no	
	osa			6	36.80844735		OK	OK	OK	0590f733-2ea1-45aa-9576-4e37ceb75	Ashok Bharadwaj				male		67	no	hypersomnia loud_	yes		1	yes	yes	yes	0
	osa			6	35.29411765		OK	OK	OK	80398b35-fa23-45f8-a1c9-84a6a9f1ef	Turun Mulchandani				male		43	no	loud_snoring	yes		0	no	yes	yes	0
	osa			6	23.30668005		OK	OK	OK	673b6f65-6ab7-4d6b-8c20-ff2b59faaa	Sar Hashmi				male		53	no	hypersomnia loud_	yes		1	no	yes	yes	0
	osa			0	23.53036634		OK	OK	OK	11256493-3dee-4b3c-89e8-377b161d	A K Parmar				male		59	no	loud_snoring fatiga	no		1	yes	no	yes	0
	osa			3	30.32334259		OK	OK	OK	a40a51ea-8492-41d3-8974-2a99cf292	C K Khakre				male		41	no	loud_snoring	no		0	no	yes	no	
	osa		1	6	23.78121284		OK	OK	OK	2770f4f0-6c3a-4523-a647-345b7c5cd	Anup khare				male		43	no	loud_snoring	no		0	no	yes	yes	0
copd asthma	osa			4	29.40292024		OK	OK	OK	2b0b523c-42f8-4bdd-9988-de203434:	R K Vaid				male		54	no	loud_snoring fatiga	yes		1	yes	yes	yes	0
	osa			3	28.44444444		OK	OK	OK	fdae6296-2398-4227-ada8-6696742b:	Seema shrivastava				female		41	no	insomnia loud_sno	no		1	no	no	yes	0
	osa			6	25.87605807		OK	OK	OK	5c225a04-ad94-4d95-bf20-f5c7f44b7t	Dilip Jain				male		49	no	loud_snoring pain_	yes		1	yes	yes	no	
	osa			7	23.14814815		OK	OK	OK	c1ea8faf-2952-4cb8-b2a1-d4ab720dc	Surendra Meena				male		27	no	hypersomnia	no		1	no	yes	yes	0
	osa			11	27.4716889		OK	OK	OK	6f8c222f-70ff-4a80-933d-2f7db43962	Manish Jawalkar				male		30	no	loud_snoring	yes		0	yes	yes	yes	0
	osa			12	30.7809074		OK	OK	OK	399cb6c7-1398-41fe-969a-b4cd6342c	Sukhdev Mahajan				male		58	no	hypersomnia loud_	yes		1	yes	yes	no	
	osa			4	34.22004132		OK	OK	OK	66da6132-168d-4ceb-a201-34395900	Shyam Sunder Silodiya				male		62	no	loud_snoring	yes		1	no	no	no	
	osa		2	6	18.41390718		OK	OK	OK	5bdf7893-c15a-4e4c-ad20-1b1a8097f	Sheelesh Sharma				male		25	no	loud_snoring	no		1	no	yes	yes	0
	osa			1	30.09143166		OK	OK	OK	2f9e5aed-dafe-47b6-8dd0-69d8e7519	Santosh Kumar				male		53	no	loud_snoring	no		0	no	no	yes	0
	osa			22	30.84627667		OK	OK	OK	1cd3e8c3-4aa9-4f3b-8dd2-e2571d598	Pankaj Joshi				male		41	no	hypersomnia loud_	yes		1	yes	yes	yes	1
asthma heart_failu	osa		3	16	56.29520053		OK	OK	OK	f81f68b7-b6d4-4ebb-9bef-19a7a7f845	shibhash dubey				male		70	no	insomnia loud_sno	yes		1	yes	yes	yes	0
asthma	osa			9	22.95908766		OK	OK	OK	465e5f6a-f934-42ea-91f8-07896c9e15	Raghu singh chouhan				male		66	no	loud_snoring	yes		1	no	no	yes	0
cad	osa			6	232.5259516		OK	OK	OK	e01b0718-aa6b-465c-a1ad-578f17a67	Vinod Kumar pushpad				male		49	no	loud_snoring fatiga	no		1	no	no	yes	0
heart_failure stroke	osa			6	37.65581717		OK	OK	OK	7d7c1d0f-5443-4aa6-bfc9-51b92c744	Anita vasudevan				female		47	no	loud_snoring	yes		0	no	yes	no	
asthma heart_failu	osa			15	23.63403301		OK	OK	OK	08512dec-6338-45c7-8e53-c1d7912ff	Sanjay vaishyapayan				male		49	no	hypersomnia loud_	yes		1	yes	yes	yes	2
	osa		2	13	34.74890574		OK	OK	OK	1f8e64fb-72b3-4c7f-bbce-8c9bd560fa	Bharaty sathe				male		48	no	hypersomnia loud_	yes		1	yes	yes	yes	0
	osa		3	7	28.13365651		OK	OK	OK	005b9333-1fd6-4950-a223-2c673cd61	Yogesh sharma				female		50	no	loud_snoring pain_	yes		1	no	no	no	
	osa	others	3	8	30.1102789		OK	OK	OK	8669b741-0bda-470f-a9d0-fda1dcd56	Aditya malhotra				male		47	no	loud_snoring pain_	yes		1	yes	yes	yes	5
	osa			11	34.48415757		OK	OK	OK	d823273e-8f94-4e90-b1a9-bef0a4a19	shweta				female		40	no		yes		0	yes	no	yes	4
	osa			11	35.70124549		OK	OK	OK	2b608ce9-7ca0-429e-9f58-055389b43	Saroj goyal				female		52	no	loud_snoring fatiga	no		1	no	yes	yes	0
	osa			7	24.48979592		OK	OK	OK	774f961f-292a-42c9-93eb-0def7ba3d(	randhir singh thakur				male		46	no	hypersomnia	yes		0	yes	yes	yes	0
	osa			15	20.44913742		OK	OK	OK	eb561a5e-5614-4d79-af1c-cd0581dfc:	Lakhan singh				male		51	no	hypersomnia loud_	yes		0	no	yes	yes	0
	osa		3	7	23.18367347		OK	OK	OK	5c2c8a34-9437-406c-9026-130a0a02	mr K.L.thomas				male		59	no	loud_snoring pain_	yes		1	yes	yes	yes	0
asthma heart_failu	osa			13	27.35884546		OK	OK	OK	f013af1a-c24e-4eaf-85fa-63e2017f3e3	kashi ram chouksey				male		48	no	hypersomnia loud_	yes		1	yes	yes	yes	2
	osa			3	59.03187721		OK	OK	OK	b9101ce0-2e0e-42e7-a8d3-eeeaf8532	Amita Shrivastava				female		41	no	loud_snoring fatiga	no		1	yes	yes	no	

	osa			12	36.45249159	OK	OK	OK	1767fe36-9c58-4cdd-a982-99a04a7b3	Usha sinha	female	63	no	hypersomnia loud_	yes	1	yes	yes	no	
	osa			10	23.78121284	OK	OK	OK	27d9d5a1-fc7d-4b30-91d1-4a8ce8b8c	shyam mandhanya	male	61	no	hypersomnia loud_	yes	1	no	no	no	
	osa			5	26.81359045	OK	OK	OK	94bdc1fd-41b2-402e-9a92-0948e162	Raj kishor choudhary	male	34	no	loud_snoring pain_	yes	1	no	no	yes	0
	osa			8	28.4529321	OK	OK	OK	8712bb1b-4450-47be-8f77-bdbfdb6f2	Mohini devi Agarwal	female	75	no	fatigability	yes	0	no	yes	no	
	osa			5	23.87511478	OK	OK	OK	a0704fb5-4254-4268-af35-fb0889c6b	Laxmi Narayan parmar	male	60	no	hypersomnia loud_	yes	0	no	no	yes	0
	osa			1	29.36576335	OK	OK	OK	e1a8e2ed-3576-4e24-96f5-57c7cba51	Hari om chourasiya	male	52	no	loud_snoring fatiga	no	0	no	no	yes	0
	osa			10	27.51338489	OK	OK	OK	216da63e-e5fc-46d0-9885-4b32285b8	Raj Kishore dwivedi	male	47	no	loud_snoring	yes	1	no	yes	yes	1
	osa	Nocturia		9	24.03440715	OK	OK	OK	a88625cc-95b9-474f-b17b-f6053e449	shilpi	female	35	no	loud_snoring fatiga	yes	1	yes	no	no	
	osa			14	26.39797739	OK	OK	OK	7b4a48d8-1520-487e-85ee-6a885ee9	Mrs. shobha pathak	female	62	no	hypersomnia loud_	yes	1	no	yes	no	
	osa			12	28.69897959	OK	OK	OK	68667f59-f092-4450-a6a0-244a17f5b	deepak chouksey	male	43	no	hypersomnia loud_	yes	1	yes	yes	no	
	osa			8	44.1161383	OK	OK	OK	5b4523d0-cee3-41f5-914f-d22e13914	kamal prashad Mishra	male	52	no	insomnia loud_sno	yes	1	yes	yes	yes	2
		Myopathy		12	27.70083102	OK	OK	OK	036852d3-02ac-42ba-84e9-8ba266e6	Nuzhat sultana	female	51	no	hypersomnia pain_	yes	1	no	yes	no	
asthma	osa			1	40.61482441	OK	OK	OK	d18d1438-c82c-4691-9ff9-ef18c4ad1f	H.M.RASHID	male	58	no	insomnia loud_sno	no	1	no	no	no	
	osa			9	33.71488033	OK	OK	OK	d7eb6d83-a5a3-49e6-af33-ea95fdf72	Neeraj Agrawal	male	47	no	hypersomnia loud_	yes	0	no	yes	yes	0
	osa	Memory problem		11	22.4996371	OK	OK	OK	25918ad1-3eb5-4b79-a8f4-3b141f2de	Ashok Kumar panday	male	43	no	hypersomnia loud_	yes	1	no	yes	no	
	osa			7	25.1486054	OK	OK	OK	9fc4405e-5424-44c5-bb30-16654d6dc	Gorav jain	male	29	no	hypersomnia insor	yes	0	yes	yes	no	
	osa			1	28.69897959	OK	OK	OK	22c23a77-d06a-4253-9d26-2282ccf1b	c p pathak	male	72	no	loud_snoring	no	0	no	no	yes	0
	osa			13	33.12130679	OK	OK	OK	ef1d8cca-b333-4f4e-844d-7616e3cad	Braj mohan tamrakar	male	63	no	hypersomnia loud_	yes	1	no	no	no	
				4	30.11621315	OK	OK	OK	04ea6383-1b1f-47e5-9436-eaea6d348	Anil kumar	male	26	no	loud_snoring	no	0	no	no	yes	0
	osa	Forgetfulness		6	27.05515088	OK	OK	OK	dc85a11f-a4ef-410d-bcd1-4da98c390	Tara devi	female	69	no	hypersomnia loud_	yes	1	yes	yes	no	
stroke	osa	Referred hyperten	1	6	30.48780488	OK	OK	OK	96c59397-6d82-4b3f-9f4d-c46eb789d	V D BHALE	male	73	no	hypersomnia loud_	yes	1	yes	yes	yes	0
copd	osa	COPD , OSA.	3	6	37.48438151	OK	OK	OK	883c1589-f29f-4e1d-a1d1-a8b54df54	Kala gathe	female	58	yes	sob hypersomnia lc	yes	1	yes	yes	no	
asthma	osa		3	10	31.2385898	OK	OK	OK	c96d3101-309e-40fb-9ebe-5a8c51f0a	alka tiwari	female	48	yes	sob hypersomnia lc	yes	1	yes	yes	no	
	osa	Diabetes mellitus, OSA		15	27.21730295	OK	OK	OK	4ec8c8a0-9cae-40e7-8edb-9bb142b3f	Surendra Singh	male	49	no	hypersomnia loud_	yes	1	yes	yes	yes	2
	osa			6	23.38435374	OK	OK	OK	5e4282bb-6e3f-45a2-ab0c-ca8a55bec	Ramayan prasad	male	44	no	hypersomnia loud_	no	0	no	yes	yes	0
	osa		3	8	27.96801606	OK	OK	OK	db98fdcb-e236-4464-bc32-c6e657f70	Ganesh prasad asathi	male	48	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	osa			3	30.11099051	OK	OK	OK	2a638837-1c01-41a4-accf-6417ec2d8	Rakesh porwal	male	53	no	hypersomnia loud_	yes	1	yes	yes	yes	4
	osa			12	18.12523512	OK	OK	OK	3e9bea54-44bc-4abd-bad2-8d1bef0c4	sanjay singh	male	53	no	hypersomnia loud_	yes	1	yes	yes	yes	1
	osa			7	26.25958475	OK	OK	OK	be6bbf75-c0e9-4a86-ad39-e99fb4365	Ashok kumar mishra	male	59	yes	hypersomnia loud_	yes	0	no	yes	yes	0
copd	osa	diabetes mellitus	2	8	28.28282828	OK	OK	OK	e78e6673-7cb4-4fcd-828c-73d938f09	sadan kumar Shrivastava	male	66	no	loud_snoring pain_	no	0	no	no	no	
	osa		1	14	30.05681068	OK	OK	OK	eed8019a-b9ea-4723-b1b9-270e377f	Sandeep kumar	male	37	yes	sob hypersomnia lc	yes	1	yes	yes	yes	0
	osa		3	11	16.61326688	OK	OK	OK	02c78544-8ac4-41a2-b250-17e309d4	Moolchand singh	male	54	no	hypersomnia loud_	yes	1	no	yes	yes	0
	osa	Diabetic mellitus.	2	15	38.41683884	OK	OK	OK	8969953e-27b4-4721-9239-880f5ab0	Mahendra kumar singhai	male	67	yes	sob hypersomnia lc	yes	1	no	yes	yes	0
heart_failure	osa	RLS, Thyroid.	3	7	32.36854981	OK	OK	OK	7065fffe-2bda-4815-95b2-3cff4478f33	Chiman lal	male	62	yes	hypersomnia loud_	yes	1	yes	yes	yes	7
	osa		3	2	28.08163265	OK	OK	OK	2e662ff4-ddff-4097-a1e8-2c78af5ec1(	Rajkumar pardasani	male	40	no	loud_snoring pain_	yes	1	yes	no	yes	0
heart_failure	osa	Diabetes mellitus.		14	35.98615917	OK	OK	OK	2a4b4a78-fa1e-48f1-a238-e6b7974e6	Alok malviya	male	51	no	pain_in_legs fatiga	yes	1	yes	yes	yes	5
	osa		1	12	36.15702479	OK	OK	OK	6bd97705-e058-4010-aee9-4bdd1db2	Mahendra sharma	male	60	no	hypersomnia loud_	yes	0	yes	yes	yes	0
	osa	Thyroid		10	42.45799854	OK	OK	OK	842338f0-59b4-4f3b-bd27-c3ff799572	Kusum kanak	female	65	yes	loud_snoring pain_	yes	1	yes	yes	no	
	osa	HTN, DM	2	12	35.05563176	OK	OK	OK	c14f946b-0a59-4c97-a125-b41b2f0b3	C M Mathew	male	63	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	insomnia	Other lungs disord	2	5	25.2825699	OK	OK	OK	5e2561ee-1ebc-4333-b4e4-648aa38c1	Kusum	female	60	no	insomnia	no	1	yes	no	no	
	osa	HTN, Thyroid		7	29.0687733	OK	OK	OK	0be25a78-4e6c-4a45-8e68-130d30bd	Ramprakash	male	48	no	hypersomnia loud_	yes	0	no	no	yes	1
	osa	HTN, Thyroid.		19	34.51676529	OK	OK	OK	ce0b7119-e852-4399-8d48-07a107f8	Surekha yadav	female	43	yes	sob	yes	1	yes	yes	no	
	insomnia	HTN, DM.	3	12	27.51338489	OK	OK	OK	f3afcb2e-70db-4942-a1ae-66e9c5a80	Anil Choubey	male	60	yes	sob insomnia	yes	1	yes	yes	yes	0
	osa	HTN, DM.		18	32.32323232	OK	OK	OK	49fecfc6-e720-440f-802f-b736c8e110	Rajeev lochan dubey	male	43	no	hypersomnia loud_	yes	1	yes	yes	yes	1
heart_failure cad	osa	HTN		4	31.5558802	OK	OK	OK	5f50e3a1-2dc0-4130-a201-a69e450a8	N. P. Singh	male	57	yes	sob loud_snoring fa	no	1	no	no	yes	0
	osa	HTN, Thyroid	3	2	40.08828431	OK	OK	OK	de6e5797-9458-49bb-a7ea-19866245	Shanti Bai	female	75	no	insomnia loud_sno	yes	1	no	yes	no	
	osa	HTN, Thyroid.		6	29.0687733	OK	OK	OK	376d742c-8305-433a-b7f9-41c276aea	Dr Sudhir rathore	male	54	no	loud_snoring noctu	no	0	no	yes	yes	0
copd		HTN, RLS.	2	15	42.82242197	OK	OK	OK	6db4e77d-6105-412b-b92e-f91790bfe	sanjeev kapoor	male	46	yes	hypersomnia loud_	yes	1	yes	yes	yes	10
copd asthma heart	osa	HTN		7	32.7449283	OK	OK	OK	4798ddee-21fd-4bdf-9f3d-988918874	Balraj sahane	male	68	no	hypersomnia loud_	yes	0	no	no	yes	0
	osa	HTN	3	19	26.86120692	OK	OK	OK	93d749c7-9f7f-4e2e-9259-427a2b526	Sanjay gupta	male	45	no	hypersomnia loud_	yes	1	yes	yes	yes	4
	osa		3	8	30.79584775	OK	OK	OK	c84856ed-1a74-48e0-8b74-7556adbcd	Radhakishan patidar	male	55	yes	sob loud_snoring p	no	0	no	yes	yes	0
asthma	osa	HTN		9	36.73094582	OK	OK	OK	8f5c2fae-6066-474e-9995-54344abb5	Yashpal mahadik	male	61	no	hypersomnia loud_	yes	1	yes	yes	no	
	osa	DM, HTN		4	32.83097979	OK	OK	OK	476a39fc-f89c-49ae-8f2f-00973a90f61	Mohammad shafik	male	59	no	hypersomnia loud_	no	1	no	yes	yes	0
	osa			7	29.05328798	OK	OK	OK	4a70a017-081c-4a5a-b946-7835df013	Sapan khare	male	34	no	loud_snoring	yes	1	yes	no	yes	0
asthma	osa			14	23.83673469	OK	OK	OK	62f00441-45f0-4ec5-8f23-77394dcaa2	Prashant soni	male	40	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	osa	Thyroid	3	17	37.46097815	OK	OK	OK	6ee65ffd-024b-455e-b740-a6badf5215	Janki raghuwanshi	female	52	yes	sob hypersomnia lc	yes	1	yes	yes	no	
copd asthma	osa	HTN, Thyroid		15	30.48668503	OK	OK	OK	c1d3c3d9-b8f7-4dfe-ab1e-8c9c50aa04	Nand kishore malviya	male	69	no	hypersomnia loud_	yes	1	yes	yes	no	
	osa			7	26.72287252	OK	OK	OK	fc3d0c1b-9c1c-481e-9cb9-68af996a5c	Gouri Shankar lowanshi	male	35	no	hypersomnia loud_	yes	1	yes	yes	yes	0
asthma heart_failu	osa	HTN		1	32.89473684	OK	OK	OK	3c2df6f9-a4ee-4768-aa9b-ff03966f16	Halima bee	female	65	yes	sob hypersomnia lc	yes	1	yes	yes	no	
	insomnia	DSPS.		1	23.66524436	OK	OK	OK	e0b58453-344e-4b2c-8138-9b521216	Dinesh rawat	male	48	yes	sob loud_snoring fa	no	1	no	no	yes	0
copd	osa	DM, THYROID.	2	8	28.05570579	OK	OK	OK	24857313-92e1-4011-aeee-b81843b1	Deepak Shrivastava	male	59	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	osa	HTN, DM, Thyroid.		11	33.30498866	OK	OK	OK	36192be7-f3ec-4a17-b579-c5534cfcd	N.K. Malviya	male	61	yes	sob hypersomnia lc	yes	0	no	yes	no	
	osa	HTN.		21	30.46111831	OK	OK	OK	5ca2af22-4b2e-4628-bbdc-8c1875d99	K.N. Malviya	male	57	yes	sob hypersomnia lc	yes	1	yes	yes	yes	0
asthma	osa		3	15	33.46222487	OK	OK	OK	bb272628-579e-464b-8d8a-7bd10d1e	Deepak kumar gupta	male	61	yes	sob hypersomnia lc	yes	1	yes	yes	no	
	osa	Thyroid	3	5	34.88985354	OK	OK	OK	cf28c167-de2e-444d-9c2f-f4ed792acc	Bhavna mafidar	female	42	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	osa	HTN, Thyroid.	3	7	31.97501487	OK	OK	OK	cad864e2-efcf-4e9d-a6a3-459d67764	Bindu raghuwanshi	female	49	no	hypersomnia loud_	yes	1	yes	yes	no	
	osa	HTN, THYROID.		3	40.78768475	OK	OK	OK	b73bab48-1f92-49f4-8d66-ef8f2eb2f3	Kamla patel	female	65	no	insomnia loud_sno	yes	1	no	yes	no	
	osa			3	43.40946894	OK	OK	OK	0d231dd8-0d80-454f-b572-eaa15adfb	Jyoti Sharma	female	43	yes	sob insomnia loud_	yes	1	yes	yes	no	
	osa	RBD, HTN		15	35.49168975	OK	OK	OK	3597eb7d-9171-44e3-8266-b4c7c68e	Pushpa	female	52	yes	sob hypersomnia lc	yes	1	yes	yes	no	
copd asthma	osa	HTN, DM.	3	11	37.80407627	OK	OK	OK	be9d0d5b-3e68-47de-a93a-71734716	Shakunthala	female	65	no	hypersomnia loud_	yes	1	yes	yes	no	
	osa	HTN, DM.		7	32.76939491	OK	OK	OK	644301b1-af63-41e7-a76f-4d32eff0da	Rabindra panicker	male	75	no	hypersomnia loud_	yes	0	no	yes	no	
copd asthma	osa	HTN		7	34.6122449	OK	OK	OK	583cb126-71d0-4300-8142-da05e5f8	Ghayasuddin Ahmad	male	80	no	hypersomnia loud_	yes	1	yes	yes	no	
heart_failure	osa	Thyroid		14	31.1613739	OK	OK	OK	5bb934f3-422d-4a46-8b60-b25c8fce1	Bharat bhushan sharma	male	55	no	hypersomnia loud_	yes	1	yes	yes	yes	3
copd asthma	osa		3	14	28.3446712	OK	OK	OK	78ccdb0e-766e-40c5-98df-e1eb5df03	Lakhan kuchbandiya	male	45	yes	sob hypersomnia lc	yes	1	yes	yes	no	
heart_failure	osa	HTN	2	7	31.46267228	OK	OK	OK	27f58ffa-d9a0-4c3d-9fdb-c1f5e6c720	Rajendra nagariya	male	53	yes	sob hypersomnia lc	yes	1	yes	yes	yes	0
	osa	HTN, DM.		9	39.68253968	OK	OK	OK	2d352529-557a-4f54-b4eb-6cc52054d	Sodan Singh rathore	male	71	no	hypersomnia loud_	yes	0	no	yes	yes	0

	osa			7	29.75778547	OK	OK	OK	7ae7b663-15b6-430f-87a4-a7e1d6a91	Vijay kumar saxena	male	58	yes	sob hypersomnia lc	yes	0	no	yes	yes	0
	osa	HTN	3	13	38.0078167	OK	OK	OK	5d6c61f7-1ad5-4f59-b8bd-48e66cb69	Rakesh kumar goyal	male	61	yes	sob hypersomnia lc	yes	1	yes	yes	yes	0
	osa	HTN, DM.		13	41.07780332	OK	OK	OK	27339ace-025e-4a3b-8a4d-7cae557c9	Meera wadhwani	female	74	yes	sob hypersomnia lc	yes	1	yes	yes	no	
	osa			3	29.296875	OK	OK	OK	157cb035-ba6e-47ea-9c3e-7463736b	Nirmala Shukla	female	42	no	hypersomnia loud_	yes	1	yes	yes	no	
copd asthma	osa	Hypersomnia		16	28.73469388	OK	OK	OK	ac3490f0-d9ff-4a61-a44d-88e271b73	Dashrath Raikwar	male	55	yes	hypersomnia loud_	yes	1	yes	yes	no	
	osa	Hypersomnia		2	45.52293507	OK	OK	OK	0f91d2c1-600d-4f1b-ad36-9d97bd94a	Vinita Rajput	female	46	no	loud_snoring pain_	no	0	no	no	no	
	osa	Hypersomnia, RBD	2	12	35.55324315	OK	OK	OK	56027ead-718d-47b9-b5a7-4c7a01e1	Harpreet Singh Kumar	male	36	no	hypersomnia loud_	yes	1	yes	yes	yes	2
	osa	Hypersomnia		3	45.10675265	OK	OK	OK	47fda598-fe61-4072-a38f-e842e907d	Hemant Kumar Jain	male	42	no	hypersomnia loud_	yes	1	no	no	yes	0
asthma	osa	DSRS		18	34.1932133	OK	OK	OK	48ca1fc8-9c59-4812-8401-77a7acbd6	Daraksha khan	female	48	yes	sob hypersomnia lc	yes	1	yes	yes	no	
copd	osa	Hypersomnia		4	32.89333162	OK	OK	OK	613224b4-f4dd-444e-8c8a-74a7dc7a8	Leela Devi Ahirwar	female	67	no	hypersomnia loud_	yes	1	no	yes	no	
	osa	RLS		3	29.38475666	OK	OK	OK	00239435-9c95-4846-9508-73b289e3	Sujoy Aich	male	44	yes	loud_snoring	no	0	no	no	yes	0
	insomnia			1	33.33333333	OK	OK	OK	e5021c77-ab36-4ce5-9fe2-552da2f9cc	Uttam Bai	female	75	yes	sob hypersomnia lc	yes	1	yes	yes	no	
	osa			3	23.14814815	OK	OK	OK	4f4ea47a-c80c-44b5-8f1f-7d35e8e611	Tushar Naik	male	32	no	loud_snoring	no	0	no	no	yes	0
	osa			15	30.8112461	OK	OK	OK	b611fcba-bf7e-4ef4-aebf-abb0a17145	S. K. Sharma	male	73	yes	sob hypersomnia lc	yes	0	yes	yes	yes	0
	osa	DSPS		11	25.59373706	OK	OK	OK	a38d23d6-51eb-4311-9afa-402a87bec	Rajneesh Singhai	male	49	no	loud_snoring	no	0	no	yes	yes	0
	osa	Hypersomnia		13	35.75127802	OK	OK	OK	b32aa64d-f6df-4ae9-961b-94d5d548c	Sanjay Kumar Mahendra	male	59	no	hypersomnia loud_	yes	1	yes	yes	yes	0
copd	osa			1	21.08281329	OK	OK	OK	fa9ff99c-4cac-4c10-8177-41c4d4bd52	Sukhdev Gadekar	male	57	yes	sob hypersomnia p	no	1	no	yes	yes	0
copd	osa			8	26.14927686	OK	OK	OK	6018e543-4978-4dd0-8fe2-993796e6	Ram lal yadav	male	60	yes	sob hypersomnia lc	yes	1	yes	yes	no	
	osa	Hypersomnia		12	27.04164413	OK	OK	OK	605dc173-7c5b-44ef-ab0b-1f408281f	Mahilal Rajak	male	46	no	loud_snoring pain_	yes	1	yes	yes	yes	0
	osa	Hypersomnia		9	32.91201288	OK	OK	OK	cf6fa0ed-b38c-4a72-b046-759328565	Naveen Kumar Bharti	male	30	no	hypersomnia loud_	yes	0	no	yes	yes	0
	osa	Hypersomnia	3	14	26.89232314	OK	OK	OK	7731e4ce-8168-4e5a-a176-a4bb72a7	Gopal krishna Chandak	male	59	no	hypersomnia loud_	yes	0	yes	yes	yes	2
copd	osa			12	35.71303526	OK	OK	OK	68b7c432-2127-46fd-b6b5-7d9f559ce	Shashikant Gupta	male	46	no	hypersomnia loud_	yes	0	no	yes	yes	0
asthma	osa	Nocturia, hypersomnia		10	40.37460978	OK	OK	OK	39164972-dad0-4ef1-9926-51fcd3b72	Kishver jahan	female	52	no	hypersomnia loud_	yes	1	yes	yes	no	
	osa	Hypersomnia		4	27.45060487	OK	OK	OK	9dc76c11-c460-4d04-b3f6-89107ee8c	Anurag Deo	male	27	no	hypersomnia loud_	yes	0	no	yes	yes	0
	osa			1	36.11111111	OK	OK	OK	258662c5-d71b-4805-9069-4fcb81f87	Manjeet lal katyal	male	57	no	hypersomnia fatiga	no	1	yes	no	yes	0
	osa	OHS, Hypersomnia		8	33.705045	OK	OK	OK	b0947bec-e6d3-4e20-83c8-789edbc37	Dilip Kumar Mandoloi	male	62	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	osa	Hypersomnia		2	31.13458075	OK	OK	OK	8538c7b5-3145-4456-9ce1-4882f1a49	Pawan Kumar Idnani	male	47	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	osa csa	OSA, CSA		14	24.61810377	OK	OK	OK	654b6de8-5b28-4fe9-a8ef-1e2a169b0	Kodeeswaran	male	51	no	hypersomnia loud_	yes	1	yes	yes	yes	1
	osa		2	15	36.47985537	OK	OK	OK	6ed96338-6d9a-428e-b775-d063391d	Deependra Agarwal	male	44	yes	sob hypersomnia lc	yes	1	yes	yes	yes	0
copd	osa	COPD		12	20.43816558	OK	OK	OK	0b0c53bd-fb5a-4e7a-a904-c261e82e9	Manak Chand Choure	male	63	yes	sob hypersomnia lc	yes	1	yes	yes	no	
	osa	OHS 3		4	29.75778547	OK	OK	OK	cd121dd1-1470-40b7-be67-52dc74f7e	Ram bachan Singh yadav	male	66	no	hypersomnia loud_	yes	0	no	yes	yes	0
	osa			10	33.65929705	OK	OK	OK	b593ae79-bbf5-4ba4-999b-5238573bl	S. K. Majumdar	male	52	yes	sob hypersomnia ir	yes	1	yes	yes	yes	0
	insomnia			7	23.25501864	OK	OK	OK	dabe8a46-6399-4599-bdea-04be21bb	Rajkumar solanki	male	24	no	hypersomnia insor	yes	1	yes	yes	yes	0
	osa			6	34.765625	OK	OK	OK	1c88222e-aab2-499f-8dfb-c637c6cd3(	Prembai Rajput	female	73	yes	sob loud_snoring p	no	1	yes	no	no	
	osa			5	23.72281065	OK	OK	OK	92e405c0-4b71-47bf-8729-d436fea31	Nalawada Rohit Dilip	male	25	no	loud_snoring fatiga	no	1	no	no	no	
	osa			11	26.92743764	OK	OK	OK	e7d8503d-f6be-43b5-a2fb-23074259d	Shashi Ranjan	male	45	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	osa	RBD, DSPS		9	33.77777778	OK	OK	OK	9299a58e-f28a-43bc-9ea6-81c640f9a	Shahbano	female	52	yes	sob hypersomnia lc	yes	1	yes	yes	no	
	osa insomnia			8	26.6727633	OK	OK	OK	af77ee02-9438-4d01-976b-e2795492(	R. N. Varma	male	53	no	hypersomnia insor	yes	0	yes	yes	yes	0
	osa	DSPS		5	30.73941662	OK	OK	OK	bf9fa4ed-b855-412a-9db4-4a03052c6	Vipin Chouksey	male	42	no	hypersomnia loud_	yes	1	yes	yes	yes	0
copd	osa			13	26.2226847	OK	OK	OK	c5b0b82a-3fe5-4086-8046-9a20429c0	Rambagas Ahirwar	male	60	yes	sob hypersomnia lc	yes	1	yes	yes	no	
	osa			7	31.02040816	OK	OK	OK	0a602f37-41a0-4692-95d5-10e2e669!	Neelkamal Gupta	male	46	no	hypersomnia loud_	yes	1	no	yes	yes	0
	osa	Nonrefreshing sleep		11	26.61934339	OK	OK	OK	120ebbf1-ed11-4c5c-a476-ae8ff02fba	sushil kumar Tiwari	male	36	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	osa			19	27.70083102	OK	OK	OK	f6e014cb-4af8-448a-9b3e-7914eee2e	Rajkumar Shrivastava	male	58	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	osa	Hypersomnia		5	30.40529253	OK	OK	OK	5596f0d0-e773-4509-b919-53c796b4(	Chandrashekhar Chaturvedi	male	63	no	hypersomnia loud_	yes	0	no	yes	yes	0
	osa			4	23.45856238	OK	OK	OK	3bc3d25d-cd3f-493c-b1a3-16f643c3a	K.P Sharma	male	73	no	hypersomnia loud_	yes	1	no	yes	yes	0
	osa	Hypersomnia		3	24.56747405	OK	OK	OK	c14bfdf3-e764-4005-95b3-860fe7b6b	Anil Kumar Patel	male	34	no	loud_snoring	no	0	no	yes	yes	0
	osa			3	31.64556962	OK	OK	OK	d7e60f27-a54b-49cb-b90e-a762b5881	Usha Sharma	female	58	no	loud_snoring	no	0	no	no	yes	0
	osa	DSPS, ASPS	2	13	30.24691358	OK	OK	OK	a6c69a0b-daa7-4954-8062-0ec7f3777	Devendra Thakur	male	57	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	osa			2	26.98961938	OK	OK	OK	7473860b-29a1-4bf2-9f9b-1bb3ce5c7	Rajeev Shrivastava	male	52	no	loud_snoring	no	0	no	no	yes	0
copd	osa			4	26.89232314	OK	OK	OK	45ea0cf3-8433-4487-b31a-b7e6d8afa	Shankar	male	60	yes	sob loud_snoring p	no	1	no	yes	no	
	osa	Hypersomnia		3	23.80869017	OK	OK	OK	6741452e-007c-4db9-8731-3d39598f:	Joginder Singh sain	male	47	no	hypersomnia loud_	yes	1	no	yes	yes	0
	osa			4	28.39372634	OK	OK	OK	e1b04acd-dd39-4255-af85-858d9b987	Rakesh Sharma	male	48	no	hypersomnia noctu	yes	0	no	yes	yes	0
	osa	Hypersomnia		3	24.74745426	OK	OK	OK	3a0fb64f-546f-4f41-86ff-9193ca13538	Ram Naresh Bhuriya	male	38	no	hypersomnia loud_	yes	1	no	yes	yes	0
	osa			7	42.22180522	OK	OK	OK	b7164d50-e478-4a26-8e2e-a82578a8	Rita James	female	51	no	sob hypersomnia lc	yes	1	yes	yes	no	
copd	osa			14	31.04455807	OK	OK	OK	0f9ed32c-8977-47af-9920-c755ca816	Rosemary Barnabas magilampu	female	62	no	hypersomnia loud_	yes	1	yes	yes	no	
copd	osa			6	24.69040546	OK	OK	OK	218db128-1068-441a-8173-f1729158	Chaturbhuj	male	59	yes	sob hypersomnia lc	yes	1	yes	no	no	
copd asthma	osa insomnia			0	29.76190476	OK	OK	OK	c83636e5-0050-4f02-a6ba-0fd42e83b	Jitendra Singh Chouhan	male	41	no	sob insomnia loud_	no	1	yes	no	yes	0
	osa		2	6	16.56065339	OK	OK	OK	d5a0da06-a886-47dc-9c63-b1bb6870	Bala Prasad	male	65	no	loud_snoring pain_	no	1	no	no	no	
copd	osa	DSPS		1	40.56959714	OK	OK	OK	d31f7936-485e-4cb8-84d1-9f39fb448	Pratibha mittal	female	48	yes	nonrefreshing_slee	no	1	yes	no	yes	0
copd				12	29.73390041	OK	OK	OK	a60292d0-5a7b-44d1-9ed2-f69a7078	Nand ram Sahu	male	74	yes	sob hypersomnia lc	yes	1	yes	yes	no	
asthma	osa	Asthma		13	27.99302203	OK	OK	OK	da635585-5f05-411e-938f-1939f16a8	Krishna Reddy	male	79	yes	hypersomnia	yes	1	yes	yes	no	
	osa			12	29.40778799	OK	OK	OK	dbbff3d6-a62a-4245-b67c-e945107df	Vinod Bharti	male	52	no	loud_snoring fatiga	yes	1	yes	yes	yes	1
copd	osa	hypersomnia	2	1	37.22299169	OK	OK	OK	51a57484-5d76-4341-8340-c68a7158	Damyanti Panthi	female	57	no	loud_snoring pain_	no	1	no	no	no	
asthma	osa			4	38.671875	OK	OK	OK	bc3286f2-333a-4003-9837-6e004b2a5	Sangeeta Gupta	female	49	yes	sob	no	1	no	yes	no	
asthma	osa			20	40.43268221	OK	OK	OK	4a38a99a-978f-48f9-8603-40ddb23f7	Leela Bai	female	73	yes	sob hypersomnia	yes	1	yes	yes	no	
copd	osa		2	4	32.1799308	OK	OK	OK	c7f9190f-351f-46c9-8601-5528f6c42a	Nasir Ahsan Fazli	male	57	no	loud_snoring	no	0	yes	no	yes	1
	osa			1	25.96952909	OK	OK	OK	2ea1d831-a59c-4b16-bc98-9fd8e9dca	Rukhmani Tiwari	female	67	yes	sob loud_snoring	no	0	no	no	no	
	osa insomnia			0	29.00059488	OK	OK	OK	fb89fff3-f583-42a3-a86e-a5f75f9ca19	Sher Singh Chourasiya	male	66	yes	insomnia	no	1	yes	no	no	
copd	osa			9	16.20307858	OK	OK	OK	eacc4752-454e-4d6c-9b66-cd0941147	Arun Gupta	male	57	yes	sob	yes	1	yes	yes	yes	0
	osa insomnia		3	0	29.02531132	OK	OK	OK	3cce793e-be02-49d5-bb96-7b0972a5:	Mohammad Sadiq	male	61	yes	sob insomnia	yes	1	yes	no	no	
	osa			16	29.60837581	OK	OK	OK	9e83e6d9-f7d1-4efe-a6e0-38099d67b	Avinash	male	64	yes	sob loud_snoring	yes	0	yes	yes	yes	0
	osa		1	8	25.30864198	OK	OK	OK	df4c11fa-dbce-4ae2-af5c-a21a6a09e8	Sumit Sarathe	male	24	no	loud_snoring	no	1	no	yes	yes	0
copd	osa		3	10	26.6727633	OK	OK	OK	11af3e47-afc7-4b9e-a23d-e6b2318bf4	Pancham Lal Bhat	male	61	yes	sob hypersomnia	yes	1	yes	yes	no	
	osa			12	40.51776686	OK	OK	OK	b87c45a5-c93a-4038-86ec-a5f2abaa6	Mukesh Srivastava	male	37	no	hypersomnia loud_	yes	1	yes	yes	yes	0
copd asthma	osa			6	14.53287197	OK	OK	OK	c21a69bf-8225-419e-8807-f086bf02a(	Harnaam Singh	male	55	yes	sob insomnia loud_	yes	1	no	yes	no	
	osa insomnia			6	23.66143862	OK	OK	OK	5277a499-0f92-4340-87f5-d6b3c2311	Kishori Lal	male	70	yes	sob insomnia loud_	yes	1	yes	yes	yes	0

	osa insomnia		0	41.77777778	OK	OK	OK	c2ab7ff4-633c-4227-8fa5-d93c4c53dd	Manju Pathak	female	55	yes	insomnia loud_sno	yes	1	no	no	no	
	osa	2	14	30.7598702	OK	OK	OK	0768e508-96cc-4393-bdc3-4cf79bd92	Murari Yadav	male	48	yes	sob hypersomnia lc	yes	1	yes	yes	no	
	osa	2	4	31.04769454	OK	OK	OK	34bd4346-a1f9-4dfe-a573-1ccf02f3ee	Sunil Kumar Rabuda	male	62	yes	sob insomnia loud_	no	1	no	no	yes	0
	osa	2	18	28.5075216	OK	OK	OK	9a9fb681-1a27-4200-8bca-814ca9d64	Sharda Devi Malaviya	female	58	no	sob insomnia loud_	yes	1	yes	yes	no	
asthma	osa		20	31.34693878	OK	OK	OK	d3631efe-4ed0-4100-ba37-2cac4c96d	Zahid Anwar	male	57	yes	sob hypersomnia lc	yes	1	no	no	no	
	osa		7	32.91201288	OK	OK	OK	f15e91ab-9929-41ea-92fb-f7744a031(	Mohd Sami	male	30	yes	loud_snoring fatiga	yes	1	no	no	yes	3
	osa	3	18	29.296875	OK	OK	OK	ef0927cb-483e-4d29-a109-0f8cec35cc	Manju Gupta	male	36	yes	sob hypersomnia lc	yes	1	no	yes	no	
copd asthma	osa		12	28.28282828	OK	OK	OK	c36f16c4-8768-445a-b211-7ed01c8c5	Dilip Chouhan	male	47	yes	sob loud_snoring fa	yes	1	no	yes	yes	0
copd asthma			9	26.07897153	OK	OK	OK	e1fc685c-1734-4948-96e5-66a970aa9	Kamal Kishor Gour	male	60	yes	loud_snoring	yes	1	yes	yes	no	
	osa	1	8	42.2405877	OK	OK	OK	f7829971-fa3c-4022-b9e2-eb618e769	Kailash Pohwani	male	50	yes	hypersomnia loud_	yes	1	yes	yes	yes	0
	osa		11	34.87654321	OK	OK	OK	8531771e-af95-4d66-b5a7-6f9bdf20f1	Muin Qureshi	male	43	yes	sob hypersomnia lc	yes	1	yes	yes	yes	2
	osa		10	34.11235303	OK	OK	OK	20f9b3e1-707c-457a-bcf9-1f8da85e68	Manoj Khalkho	male	65	yes	sob loud_snoring	yes	0	no	yes	yes	0
copd asthma	osa	3	24	36.21499516	OK	OK	OK	8a9a2bd0-df9f-4213-aa63-f0d85e526:	Basant Soni	male	42	yes	sob hypersomnia lc	yes	1	yes	yes	yes	20
	osa	1	1	16.42365006	OK	OK	OK	ce8d859b-2515-4933-9dc3-7fcf071f48	Kasdhan Masatkar	male	70	yes	sob pain_in_legs fa	yes	1	yes	yes	no	
	osa insomnia	3	1	25.4580659	OK	OK	OK	afc92e1d-703a-46d7-9d1b-f639c06e0l	Chintamani Adivasi	male	55	yes	sob insomnia pain_	no	0	no	no	no	
copd asthma	osa		14	30.43995244	OK	OK	OK	a60cff65-7255-46ed-a460-95e8755a3	Kusum Mundde	female	56	yes	sob hypersomnia lc	yes	1	yes	yes	no	
copd	insomnia		5	23.24459454	OK	OK	OK	fa1105fd-923d-4954-8042-f9648bb33	Kamla Bai	female	60	no	insomnia	yes	0	no	yes	no	
	osa		16	22.79032897	OK	OK	OK	36e13e7c-bb04-4748-a574-e0b186d8l	Ballabh Sahu	male	30	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	insomnia	2	4	34.13111342	OK	OK	OK	99468200-ddc6-4a91-a38c-a6b95ba6(	Vina Shrivastava	female	52	yes	sob insomnia loud_	yes	1	yes	yes	no	
asthma	osa	3	3	38.52146814	OK	OK	OK	bbec4e0f-e35f-4cc1-8cdd-72c43f613cf	Sampat Bai	female	65	no	loud_snoring pain_	yes	1	no	yes	no	
	osa	2	6	39.4070182	OK	OK	OK	17c6bf86-dc6f-440b-8a10-3ea9d97ef1	Meena Ahirwar	female	45	no	sob hypersomnia lc	yes	1	no	yes	no	
asthma	insomnia		8	22.30814991	OK	OK	OK	2f9aa233-76f9-4474-b640-3c97942c9	Krishna Rao	male	65	yes	sob insomnia loud_	yes	1	no	no	yes	0
	osa		5	32.32323232	OK	OK	OK	5fb68545-e55d-4463-8fe6-1dd3a7c3e	Anil Saini	male	48	no	loud_snoring	no	0	no	yes	yes	0
asthma	osa	3	8	34.1932133	OK	OK	OK	93c71656-d2b5-4f8f-abeb-680c78602	Kalavati Singh	female	59	yes	sob insomnia loud_	yes	1	yes	yes	no	
	osa		10	27.53122945	OK	OK	OK	17d7b03d-c983-43bf-9175-271bb9c98	Richa Singh	female	31	no	hypersomnia loud_	no	1	no	yes	yes	0
	osa		7	26.3958034	OK	OK	OK	76b65813-bb1d-4e39-a1f7-5127ffb8dl	GOURAB CHAUBEY	male	32	yes	sob loud_snoring	no	0	no	no	yes	0
copd	osa		1	50.21913806	OK	OK	OK	254b1e37-955e-4ab5-bcf4-cd63ab135	Minakshi Khaira	female	40	no	hypersomnia loud_	no	1	yes	no	no	
	osa		9	35.29411765	OK	OK	OK	a1defb9f-6bc9-4c4e-80ea-8d4a8184bc	M M Dutta	male	70	no	hypersomnia loud_	yes	1	yes	yes	yes	1
	osa		15	29.73704434	OK	OK	OK	78391206-8eb8-44b0-880a-efba46def	Manish Dabhade	male	34	yes	hypersomnia insor	yes	1	yes	yes	no	
	osa	1	9	35.5839827	OK	OK	OK	a5d2242c-56b8-4d5a-9cd9-c4453fdcb	Anita Jain	female	51	no	hypersomnia loud_	yes	1	yes	yes	no	
	osa		13	38.41683884	OK	OK	OK	121c1e07-fde5-4871-8a32-f91d23000	R B L Shrivastava	male	62	no	hypersomnia loud_	yes	1	yes	yes	yes	0
	osa		13	31.21748179	OK	OK	OK	684ecb56-7252-4a95-8ff5-68331a839	Jyoti Saxena	female	62	yes	hypersomnia	yes	0	no	yes	yes	0
asthma	osa		8	35.63330094	OK	OK	OK	efe8e79a-9be2-42f3-b67a-de7c0e2cb	Madhu Khandel	female	62	yes	sob loud_snoring n	no	1	no	no	no	
	osa		2	31.95763331	OK	OK	OK	be1fc8f2-ae84-4054-b105-4106e3780	Munni Devi Shrivastava	female	67	yes	sob insomnia loud_	no	1	no	no	no	
	insomnia		5	23.80540166	OK	OK	OK	c88f8329-7278-45b0-8d59-1392aec95	Reena Devi Rao	female	39	no	insomnia fatigabilit	no	1	yes	no	no	
asthma	osa	3	12	55.40166205	OK	OK	OK	58a7998b-55a5-4eee-8c3a-a2c2dbe1t	Parveen Sultan	female	52	yes	sob nocturia	yes	1	no	yes	no	
	osa		14	31.63739669	OK	OK	OK	49851343-c3dc-4d52-a027-d6ed1faf4:	I K Upnare	male	55	no	insomnia loud_sno	yes	1	yes	no	yes	0
	osa		10	35.45644837	OK	OK	OK	616bd1b3-a632-439d-b0d4-5cbd2647	Pooja Rajput	female	46	yes	sob insomnia loud_	yes	1	yes	yes	no	
	osa		9	27.75510204	OK	OK	OK	e3218423-d891-48f1-9121-201de4b5l	Pavirala Rama Mohana Rao	male	61	no	loud_snoring noctu	no	0	no	yes	yes	1
	osa		21	29.03673779	OK	OK	OK	51b6402a-5fc2-40c8-ac10-498649360	Niranjan Sharma	male	55	yes	sob hypersomnia lc	yes	1	yes	yes	yes	20
	osa		9	36.09607108	OK	OK	OK	df8334a8-32de-40d4-99c4-1bf0df90b(	Manju Mandal	female	39	yes	sob loud_snoring p	no	0	no	yes	no	
copd asthma	osa	3	7	24.8357635	OK	OK	OK	9ce943ed-2c33-48fa-b67a-aebab9a7b	Manju Saxena	female	60	yes	sob hypersomnia n	no	1	no	yes	yes	0
			6	20.2020202	OK	OK	OK	e726dc4e-07de-4b2a-aae2-b0ad2fbd4	Santosh kumar	male	20	no		no	0	no	yes	yes	0
	osa		4	32.89329415	OK	OK	OK	9f9e4b55-5355-48cd-9bf9-4e7c525d0	kranti Bai	female	45	yes	sob fatigability non	no	1	no	yes	no	

129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154
update_how_many	update_usually_wh	update_what_is_yo	update_do_you_sn	update_have_you_	update_do_you_w	update_do_you_fr	update_has_your_l	update_how_many	update_after_how	update_do_you_ha	update_do_you_ha	update_do_you_sn	update_heart_dise	update_high_blooc	update_high_chole	update_diabetes_n	update_thyroid_pr	update_asthma_or	update_stroke	update_ESS_Displa	update_weight	update_height	update_bmi	update_systolic_bl	update_diastolic_b
5	00:00:00.000	back	1	1	yes	no	no	3	3	sleep_talking	0	choice1	no	no	no	no	no	no	no	OK	120	175	OK	111	70
2	22:00:00.000	side	1	0	no	no	no	1	4		0	no	no	yes	no	yes	no	no	no	OK	74	170	OK	128	72
2	23:00:00.000	side	1	1	yes	yes	no	2	3	sleep_talking	0	no	no	yes	no	yes	no	no	no	OK	74	154	OK	151	91
4	23:00:00.000	side	1	0	no	no	no	3	2	none_of_the_abov	0	no	no	no	no	no	no	no	no	OK	68	160	OK	137	85
2	22:00:00.000	side	1	0	no	no	no	2	3	none_of_the_abov	0	no	no	no	no	no	no	no	no	OK	60	151	OK	133	82
2	23:00:00.000	back	1	0	no	yes	no	1	4		0	no	no	yes	no	no	no	no	no	OK	60	161	OK	142	90
6	23:00:00.000	side	1	0	no	yes	yes	2	3		1	no	no	no	no	no	no	no	no	OK	100	179	OK	127	83
3	22:00:00.000	back	1	1	no	yes	yes	5	1	sleep_talking	1	yes	no	yes	no	yes	no	no	no	OK	100	172	OK	150	82
2	23:00:00.000	side	1	1	yes	no	no	0			0	no	no	yes	no	yes	no	no	no	OK	93	162	OK	148	100
7	23:00:00.000	back	1	0	no	no	no	2	2		0	yes	no	yes	no	no	no	no	no	OK	75	162	OK	138	87
3	22:03:00.000	side	1	1	no	no	yes	1	1		1	no	no	no	no	no	no	no	no	OK	85	165	OK	112	70
2	23:00:00.000	back	1	1	yes	no	no	1			0	yes	no	no	no	no	no	no	no	OK	80	162	OK	140	90
2	23:00:00.000	side	1	0	no	yes	yes	0			0	no	yes	no	no	no	no	no	no	OK	90	172	OK	134	93
3	11:00:00.000+05:3	side	1	0	yes	no	no	2	7		0	no	no	no	no	no	no	no	no	OK	75	167	OK	137	83
2	00:00:00.000	side	1	1	no	no	yes	0			0	yes	no	yes	yes	no	no	no	no	OK	100	175	OK	135	90
3	22:03:00.000	side	1	1	yes	no	no	4	2		0	no	no	yes	no	yes	no	no	no	OK	90	167	OK	129	83
1	23:00:00.000	side	1	0	no	yes	no	0			0	no	no	no	no	no	no	no	no	OK	68	161	OK	142	92
2	23:00:00.000	side	1	1	yes	yes	yes	4	3		1	no	no	no	no	no	yes	no	no	OK	65	145	OK	126	78
4	23:00:00.000	side	1	0	no	yes	no	4	2		0	yes	no	no	no	no	no	no	no	OK	95	153	OK	184	133
0	22:00:00.000	back side	1	0	no	no	yes	0		none_of_the_abov	0	no	no	no	no	no	no	no	no	OK	59	156	OK	106	60
5	23:00:00.000	side	1	0	no	no	yes	1	3	sleep_talking	0	no	no	yes	no	no	no	no	no	OK	67	142	OK	129	68
3	23:00:00.000	side	1	0	no	no	no	1			0	yes	no	no	no	yes	no	no	no	OK	80	173	OK	138	73
2	23:00:00.000	side	1	1	yes	no	no	2	4		0	yes	no	no	no	yes	no	no	no	OK	80	160	OK	131	103
2	23:00:00.000	back	1	0	no	no	no	4	2		0	yes	no	no	no	no	no	no	no	OK	99	176	OK	153	98
0	23:00:00.000	side	1	0	no	no	yes	0			1	no	no	no	no	no	yes	no	no	OK	86	170	OK	136	98
5	20:00:00.000	back	1	0	no	no	no	1	3		0	yes	yes	yes	yes	yes	no	no	no	OK	62	161	OK	147	85
2	01:00:00.000	back	0	0	yes	no	no	2	2	none_of_the_abov	1	no	no	no	no	yes	no	no	no	OK	57	165	OK	112	86
12	22:00:00.000	side	0	1	yes	no	no	4	3	none_of_the_abov	0	yes	no	no	no	no	no	no	no	OK	93	169	OK	130	88
1	23:00:00.000	side	0	0	no	no	no	2	3		1	no	yes	yes	yes	no	yes	no	yes	OK	63	144	OK	126	101
5	00:00:00.000	side	1	1	yes	no	no	1	2		0	no	yes	yes	no	no	no	no	no	OK	101	162	OK	132	70
5	23:00:00.000	side	1	0	no	yes	no	2	2		0	no	no	no	no	no	no	no	no	OK	81	168	OK	121	78
0	22:03:00.000	side	1	0	no	no	no	0			0	no	no	no	no	no	no	no	no	OK	69	172	OK	126	84
2	00:00:00.000	back	1	1	no	yes	no	0			1	no	no	yes	no	no	no	no	no	OK	68	165	OK	130	84
3	00:03:00.000	side	1	0	no	no	no	3	2	sleep_talking	0	no	no	yes	no	no	no	no	no	OK	80	141	OK	141	81
4	23:00:00.000	back	1	0	no	no	no	0			0	no	no	no	no	no	no	no	no	OK	60	167	OK	97	63
6	22:00:00.000	side	1	1	yes	no	no	3			0	no	no	no	no	no	no	no	no	OK	80	147	OK	111	76
2	22:03:00.000	side	1	0	no	no	no	1			0	no	yes	yes	no	no	no	no	no	OK	70	171	OK	132	89
4	22:00:00.000	side	1	0	no	no	yes	3	2	sleep_talking	0	yes	no	yes	no	no	yes	no	no	OK	99	164	OK	161	97
3	23:00:00.000	side	1	1	yes	no	no	0			0	no	no	no	no	no	no	no	no	OK	102	170	OK	130	88
4	22:03:00.000	side	1	0	yes	no	no	0			0	no	no	no	no	no	no	no	no	OK	65	167	OK	155	81
2	22:03:00.000	side	1	0	no	no	no	1	4		0	no	no	yes	no	yes	no	no	no	OK	58	157	OK	161	82
3	22:03:00.000	back	1	1	yes	no	no	2			0	no	no	no	no	no	no	no	no	OK	95	177	OK	145	91
3	22:03:00.000	back	1	0	no	no	no	1	4		1	no	no	no	no	no	no	no	no	OK	72	174	OK	129	81
4	23:00:00.000	back	1	0	no	no	no	3	3		0	choice1	no	yes	yes	no	no	yes	no	OK	88	173	OK	137	84
4	23:00:00.000	side	1	0	no	no	no	0			0	no	no	yes	no	no	no	no	no	OK	64	150	OK	153	85
4	23:03:00.000	back	1	1	yes	no	no	2	2	sleep_talking eatin	0	choice1	yes	yes	no	yes	no	no	no	OK	59	151	OK	140	81
4	22:00:00.000	side	0	0	no	yes	no	0			0	no	no	no	no	no	no	no	no	OK	75	180	OK	127	73
0	22:03:00.000	back	1	1	yes	no	no	2	2		0	no	no	no	yes	no	no	no	no	OK	90	181	OK	120	82
3	22:00:00.000	back	1	0	yes	no	no	2	2		0	no	no	no	no	yes	no	no	no	OK	73	154	OK	113	73
1	05:00:00.000	side	1	1	yes	no	no	4		sleep_talking	0	no	no	no	yes	yes	yes	no	no	OK	106	176	OK	132	84
2	23:00:00.000	side	1	0	yes	no	yes	0		sleep_talking	1	choice1	no	no	no	no	no	no	no	OK	59	179	OK	130	70
0	23:00:00.000	side	1	0	no	no	no	0			0	no	no	no	no	no	no	no	no	OK	78	161	OK	156	94
4	23:00:00.000	side	1	1	yes	no	no	4	2	sleep_talking eatin	0	choice1	no	no	no	no	no	no	no	OK	85	166	OK	115	85
7	00:00:00.000+05:3	side	1	0	yes	no	no	3	2	sleep_talking night	1	no	yes	yes	yes	no	no	yes	no	OK	137	156	OK	149	85
1	20:00:00.000+05:3	side	1	1	yes	yes	no	10	1	sleep_talking night	0	no	no	no	yes	no	yes	yes	no	OK	61	163	OK	113	83
4	00:00:00.000+05:3	stomach	1	0	no	no	no	2	4	sleep_talking	0	no	no	no	no	no	no	no	no	OK	168	85	OK	125	80
4	23:00:00.000+05:3	side	1	1	yes	no	no	1			0	no	yes	yes	no	yes	yes	no	yes	OK	87	152	OK	142	90
4	23:00:00.000+05:3	side	1	1	yes	yes	yes	2	3		0	no	yes	yes	no	no	no	yes	no	OK	59	158	OK	160	85
8	01:00:00.000+05:3	stomach	1	1	yes	no	yes	1	4	sleep_talking night	1	no	no	yes	no	yes	no	no	no	OK	104	173	OK	152	77
2	22:00:00.000+05:3	back	1	0	yes	yes	no	3	30		1	no	no	yes	yes	no	no	yes	no	OK	65	152	OK	129	90
1	22:00:00.000+05:3	side	1	1	yes	no	yes	1	4		1	no	no	no	no	no	no	yes	no	OK	80	163	OK	120	80
1	22:00:00.000+05:3	back	1	0	yes	no	no	1			0	no	no	no	no	no	no	no	no	OK	85	157	OK	116	80
3	11:00:00.000+05:3	back	1	1	yes	no	no	2			0	no	no	no	yes	no	no	no	no	OK	88	157	OK	135	86
0	23:00:00.000+05:3	back	1	1	yes	no	no	2		sleep_talking	0	no	no	no	no	no	no	no	no	OK	75	175	OK	110	76
2	23:00:00.000+05:3	back	1	0	no	no	no	1	6		0	yes	no	no	no	no	no	no	no	OK	55	164	OK	105	68
4	22:30:00.000+05:3	side	1	0	no	no	no	1			1	no	no	yes	no	no	no	no	no	OK	71	175	OK	124	82
1	21:30:00.000+05:3	side	1	1	yes	no	no	3	4		0	no	no	yes	no	yes	no	yes	no	OK	80	171	OK	121	80
1	01:30:00.000+05:3	side	1	1	yes	no	no	3	2		0	no	no	yes	yes	yes	yes	no	no	OK	140	154	OK	150	90

6	22:00:00.000+05:3	stomach	1	1	no	yes	no	1	4	sleep_talking	0	no	no	yes	no	yes	no	no	no	OK	91	158	OK	167	95
3	22:30:00.000+05:3	back	1	0	yes	no	no	1	5	sleep_talking	0	no	no	no	no	no	no	no	no	OK	72	174	OK	145	88
4	12:00:00.000	side	1	1	yes	no	no	3	1		1	no	no	yes	no	no	no	no	no	OK	73	165	OK	128	109
2	23:00:00.000	side	0	0	yes	no	no	3	2		0	no	yes	yes	yes	yes	yes	no	yes	OK	59	144	OK	145	69
0	21:30:00.000	side	1	1	no	no	no	0			0	no	yes	yes	no	no	no	no	no	OK	65	165	OK	189	83
5	01:00:00.000	side	1	1	yes	no	no	0			0	no	no	no	no	no	no	no	no	OK	92	177	OK	133	86
2	12:00:00.000	side	1	1	yes	no	no	1	3		0	no	yes	yes	no	no	no	no	no	OK	74	164	OK	132	100
2	23:00:00.000	side	1	0	no	yes	no	2	3	seizuresconvulsion	0	no	no	yes	no	no	no	no	no	OK	57	154	OK	133	89
4	12:00:00.000	side	1	1	yes	yes	no	3	1.3		1	no	no	yes	yes	yes	yes	no	no	OK	71	164	OK	109	76
3	23:00:00.000	back	1	1	yes	no	no	1	4		1	no	no	yes	yes	yes	no	no	no	OK	81	168	OK	127	94
3	22:30:00.000	side	1	1	yes	no	yes	5	2	falling_out_of_bed	1	no	no	yes	yes	yes	no	no	no	OK	129	171	OK	181	85
3	12:00:00.000	side	0	1	no	yes	no	4	2		1	no	no	yes	no	no	no	no	no	OK	64	152	OK	118	74
0	19:00:00.000	back	1	1	yes	no	no	2	3	sleep_talking	0	no	no	yes	no	yes	no	yes	no	OK	116	169	OK	127	97
2	22:00:00.000	back	1	0	no	no	no	1	4		0	no	no	no	no	no	no	no	no	OK	81	155	OK	113	80
3	23:00:00.000	side	1	0	no	no	no	3	3		0	no	no	yes	no	yes	yes	no	no	OK	62	166	OK	121	71
2	23:30:00.000	back	1	0	no	no	no	0			1	no	no	no	no	no	no	no	no	OK	66	162	OK	147	92
0	23:30:00.000	side	1	1	yes	no	no	1	5		0	no	no	yes	yes	yes	no	no	no	OK	81	168	OK	111	83
20	21:30:00.000	side	1	1	yes	no	no	7	2		0	no	yes	yes	no	yes	no	no	no	OK	88	163	OK	139	93
1	02:00:00.000	side	1	0	no	no	no	0			0	no	no	no	no	no	no	no	no	OK	85	168	OK	118	82
2	22:30:00.000	side	1	1	no	yes	no	2	3		0	no	no	yes	yes	no	no	no	no	OK	65	155	OK	192	94
2	23:00:00.000	side	1	1	yes	no	no	2	3	sleep_talking	1	no	no	yes	no	no	no	no	yes	OK	82	164	OK	150	90
2	23:00:00.000	side	1	1	yes	yes	no	1	2	none_of_the_abov	1	no	no	no	no	no	no	no	no	OK	81	147	OK	142	64
3	22:00:00.000	side	1	0	no	yes	yes	0		none_of_the_abov	1	no	no	no	no	yes	yes	yes	no	OK	77	157	OK	105	68
3	23:00:00.000	back	1	0	no	no	no	1	3	none_of_the_abov	0	no	no	no	yes	yes	no	no	no	OK	75	166	OK	143	93
0	22:00:00.000	side	1	1	no	no	no	1	5	sleep_talking	0	no	no	no	yes	no	no	no	no	OK	66	168	OK	137	85
2	22:00:00.000	side	1	1	yes	yes	yes	2	2	sleep_talking	1	no	no	yes	yes	no	no	no	no	OK	78	167	OK	161	113
6	00:00:00.000	side	1	1	no	yes	no	5	2	sleep_talking	0	yes	no	no	no	no	no	no	no	OK	86	169	OK	145	78
5	23:00:00.000	side	1	1	no	yes	no	1	2	nightmares	0	choice1	no	no	yes	no	no	no	no	OK	53	171	OK	110	80
3	00:00:00.000	back	1	0	yes	no	no	1	1	none_of_the_abov	0	choice1	no	no	no	no	yes	no	no	OK	75	169	OK	118	72
2	23:00:00.000	side	1	0	yes	no	no	3	4	none_of_the_abov	1	choice1	no	yes	yes	yes	no	no	no	OK	77	165	OK	130	87
0	23:00:00.000	side	1	1	yes	yes	no	2	4	nightmares	1	yes	no	no	yes	no	yes	no	no	OK	91	174	OK	123	81
6	22:00:00.000	back	1	1	yes	yes	yes	1	4	none_of_the_abov	1	no	no	no	no	no	no	no	no	OK	42	159	OK	174	115
5	23:00:00.000	side	1	1	yes	no	yes	1	3	sleep_talking tooth	1	no	no	yes	no	yes	no	no	no	OK	119	176	OK	145	76
4	23:00:00.000	side	1	1	yes	yes	yes	3	2	sleep_talking night	1	choice1	yes	yes	yes	no	yes	no	no	OK	86	163	OK	131	90
7	02:00:00.000	side	1	0	no	no	no	0		nightmares	1	yes	no	no	no	no	no	no	no	OK	86	175	OK	119	90
8	23:30:00.000	side	1	0	no	no	no	2	4	sleep_talking	0	no	yes	no	no	yes	no	no	no	OK	104	170	OK	129	87
7	23:00:00.000	stomach	1	1	yes	no	no	1	4	none_of_the_abov	1	no	no	no	no	no	no	no	no	OK	112	176	OK	120	70
3	23:00:00.000	side	1	1	no	no	no	4	1	none_of_the_abov	0	no	no	yes	no	no	yes	no	no	OK	93	148	OK	132	75
2	23:30:00.000	side	1	0	yes	no	yes	4	2	sleep_talking	1	no	no	yes	no	yes	no	no	no	OK	92	162	OK	136	93
0	21:00:00.000	side	0	0	no	no	no	2	1	none_of_the_abov	1	no	no	yes	no	no	no	yes	no	OK	68	164	OK	127	82
2	23:00:00.000	side	1	1	no	yes	yes	2	4	none_of_the_abov	0	no	no	yes	no	no	yes	no	no	OK	85	171	OK	147	108
4	23:00:00.000	side	1	1	yes	yes	no	3	2	nightmares	0	no	no	yes	no	no	yes	no	no	OK	84	156	OK	122	78
3	23:00:00.000	side	1	1	yes	no	no	4	2	nightmares eating	1	no	no	yes	no	yes	no	no	no	OK	74	164	OK	137	90
4	22:30:00.000	side	1	0	no	yes	no	3	2	sleep_walking	0	no	no	yes	no	yes	no	no	no	OK	88	165	OK	128	82
5	23:00:00.000	side	1	1	no	no	no	1		none_of_the_abov	0	no	yes	yes	no	no	no	no	no	OK	108	185	OK	124	90
2	21:00:00.000	side	1	0	yes	no	yes	4		none_of_the_abov	1	no	no	yes	no	no	yes	no	no	OK	89	149	OK	119	66
3	23:00:00.000	side	1	0	yes	no	no	2	4	sleep_talking night	0	no	no	yes	no	no	yes	no	no	OK	85	171	OK	130	80
3	23:00:00.000	side	1	1	yes	no	yes	5	1	none_of_the_abov	1	no	no	yes	no	no	no	no	no	OK	111	161	OK	140	90
2	22:30:00.000	side	1	0	no	no	no	1	2	none_of_the_abov	0	no	yes	yes	no	no	no	yes	no	OK	87	163	OK	125	73
5	23:30:00.000	back	1	1	yes	no	yes	2	2.5	sleep_talking	1	choice1	no	yes	yes	no	no	no	no	OK	88	181	OK	110	70
0	22:30:00.000	back	1	1	yes	no	no	6	1	none_of_the_abov	1	no	no	no	no	no	no	no	no	OK	89	170	OK	127	83
3	00:00:00.000	side	1	1	no	no	no	1	1	nightmares	0	yes	no	yes	no	no	no	yes	no	OK	100	165	OK	153	97
3	23:30:00.000	side	1	0	no	no	no	2	2	none_of_the_abov	0	no	no	yes	no	yes	no	no	no	OK	83	159	OK	171	84
4	23:30:00.000	back	1	0	no	no	no	0		none_of_the_abov	0	choice1	no	no	no	no	no	no	no	OK	82	168	OK	138	98
0	23:00:00.000	side	1	1	yes	no	no	2	2	sleep_talking night	0	no	no	no	no	no	no	yes	no	OK	73	175	OK	124	80
4	22:00:00.000	side	1	1	yes	no	yes	2	1	sleep_talking	1	yes	no	no	no	no	yes	no	no	OK	90	155	OK	118	79
2	21:00:00.000	side	1	1	yes	no	no	4	1	none_of_the_abov	0	no	no	yes	no	no	no	yes	no	OK	83	165	OK	110	70
2	23:00:00.000	side	1	1	yes	yes	no	0		none_of_the_abov	0	choice1	no	no	no	no	no	no	no	OK	71	163	OK	127	89
3	22:00:00.000	side	1	1	yes	yes	no	2	2	seizuresconvulsion	0	no	yes	yes	yes	no	no	yes	no	OK	76	152	OK	191	104
4	01:00:00.000	side	1	1	yes	no	no	1	3	none_of_the_abov	0	yes	no	no	no	no	no	no	no	OK	66	167	OK	100	65
0	23:30:00.000	stomach	0	0	no	no	yes	1	3	none_of_the_abov	1	no	no	no	yes	yes	yes	no	no	OK	83	172	OK	120	80
7	22:00:00.000	side	1	1	no	no	no	5	2	none_of_the_abov	0	no	no	yes	no	yes	yes	no	no	OK	94	168	OK	113	71
3	22:00:00.000	side	1	1	yes	yes	yes	4	2	none_of_the_abov	0	no	no	yes	yes	no	no	no	no	OK	87	169	OK	145	113
4	22:01:00.000	side	1	1	yes	yes	no	3	2	sleep_talking night	1	yes	no	yes	no	no	no	yes	no	OK	90	164	OK	140	91
0	22:30:00.000	side	1	0	no	yes	yes	1	3	sleep_talking night	1	no	no	no	no	no	yes	no	no	OK	86	157	OK	102	73
3	23:00:00.000	side	1	1	no	yes	no	4	2	none_of_the_abov	1	no	no	yes	no	no	yes	no	no	OK	86	164	OK	132	82
2	23:00:00.000	side	1	1	no	no	no	2	3	none_of_the_abov	0	no	no	yes	yes	no	yes	no	no	OK	93	151	OK	150	90
5	22:30:00.000	back	1	1	yes	no	no	3	2	none_of_the_abov	0	no	no	yes	yes	yes	no	no	no	OK	107	157	OK	145	91
0	23:01:00.000	back	1	1	no	yes	yes	1	2	sleep_talking night	0	no	no	yes	yes	no	no	no	no	OK	82	152	OK	130	85
3	22:00:00.000	side	1	1	yes	no	no	4	1	none_of_the_abov	1	no	no	yes	yes	yes	no	yes	no	OK	92	156	OK	150	82
1	23:30:00.000	side	1	0	no	no	no	2	2	none_of_the_abov	0	no	no	yes	yes	yes	no	no	yes	OK	86	162	OK	140	80
4	23:00:00.000	side	1	1	yes	no	no	3	1	none_of_the_abov	0	yes	no	yes	yes	no	no	yes	no	OK	106	175	OK	140	90
10	01:30:00.000	side	1	1	no	no	no	1	3	none_of_the_abov	0	yes	no	yes	no	no	yes	no	no	OK	89	169	OK	140	78
4	21:00:00.000	side	1	1	yes	no	no	3	1.5	none_of_the_abov	1	no	no	no	no	no	yes	no	no	OK	80	168	OK	111	77
3	22:00:00.000	back	1	1	no	yes	yes	1	3	none_of_the_abov	1	no	yes	yes	no	no	no	no	no	OK	92	171	OK	124	83
2	22:30:00.000	side	1	1	yes	no	no	2	60	sleep_talking	0	choice1	no	yes	no	yes	no	no	no	OK	112	168	OK	128	71

4	23:00:00.000	side	1	1	yes	no	no	2	2	nightmares	0	yes	no	no	no	no	no	no	no	OK	86	170	OK	120	80
4	22:30:00.000	side	1	1	no	no	yes	4	2	none_of_the_abov	1	choice1	no	yes	no	no	no	no	no	OK	106	167	OK	145	91
2	22:30:00.000	back	1	1	yes	yes	no	3	90	sleep_talking	0	no	no	yes	yes	yes	no	no	no	OK	84	143	OK	150	80
2	23:00:00.000	back	1	1	no	yes	no	0		none_of_the_abov	0	no	no	no	no	no	no	no	no	OK	75	160	OK	135	85
2	22:30:00.000	side	0	0	yes	no	no	4	2	none_of_the_abov	0	yes	no	yes	no	no	no	yes	no	OK	88	175	OK	150	94
2	22:00:00.000	side	1	0	no	no	no	4	2	none_of_the_abov	0	no	no	no	no	no	yes	no	no	OK	118	161	OK	180	102
7	00:00:00.000	back	1	1	yes	no	yes	1	4	sleep_talking fallin	1	no	no	no	no	no	no	no	no	OK	123	186	OK	140	94
2	00:00:00.000	back	1	1	no	no	yes	0		none_of_the_abov	0	no	no	yes	no	no	no	no	no	OK	135	173	OK	141	84
1	00:00:00.000	side	1	1	yes	yes	no	4	1	falling_out_of_bed	0	no	no	no	no	yes	no	yes	no	OK	79	152	OK	140	80
2	22:00:00.000	side	1	1	yes	no	no	3	1	sleep_talking	0	no	no	yes	no	yes	yes	yes	no	OK	77	153	OK	143	80
6	22:30:00.000	stomach	1	1	no	yes	yes	0		none_of_the_abov	0	no	no	yes	no	no	no	no	no	OK	80	165	OK	145	100
2	22:30:00.000	side	0	0	yes	yes	no	2	3	none_of_the_abov	0	no	no	yes	yes	yes	no	no	no	OK	75	150	OK	110	60
0	23:00:00.000	side	1	1	no	no	no	0		none_of_the_abov	0	no	no	no	yes	no	no	no	no	OK	75	180	OK	125	85
3	22:00:00.000	side	1	1	yes	no	no	2	1	none_of_the_abov	0	yes	yes	yes	yes	no	yes	no	no	OK	88	169	OK	126	80
5	00:00:00.000	side	1	1	no	no	yes	0		none_of_the_abov	0	yes	no	yes	no	no	no	no	no	OK	68	163	OK	118	79
4	22:30:00.000	side	1	1	yes	no	no	4	1	sleep_talking night	0	no	no	no	yes	yes	yes	no	no	OK	107	173	OK	143	93
2	21:30:00.000	side	0	0	no	no	no	2	3	sleep_talking	0	no	yes	no	no	yes	no	no	no	OK	50	154	OK	110	70
2	22:00:00.000	back	1	0	yes	yes	no	4	1	sleep_talking	0	yes	yes	no	no	no	no	no	no	OK	81	176	OK	143	95
2	22:00:00.000	side	1	1	no	yes	no	1	3	sleep_talking	0	choice1	no	no	no	no	yes	no	no	OK	80	172	OK	120	85
1	00:00:00.000	back	1	1	no	yes	no	1	3	none_of_the_abov	0	no	no	yes	no	no	no	no	no	OK	94	169	OK	149	93
4	23:00:00.000	back	1	1	yes	no	yes	2	1	none_of_the_abov	1	no	no	no	yes	no	no	no	no	OK	75	167	OK	140	90
2	23:00:00.000	side	1	0	no	yes	no	1	3	none_of_the_abov	0	no	no	yes	yes	no	yes	no	no	OK	102	169	OK	143	97
2	00:30:00.000	side	1	1	no	no	no	2	3	sleep_talking	0	no	no	yes	no	yes	no	no	no	OK	97	155	OK	143	83
3	23:30:00.000	side	1	1	no	no	no	2	4	nightmares	0	no	no	yes	yes	no	no	no	no	OK	86	177	OK	135	101
3	22:00:00.000	side	0	0	no	no	no	2	5	none_of_the_abov	0	no	no	no	no	no	no	no	no	OK	117	180	OK	110	59
3	23:00:00.000	stomach	1	1	yes	no	yes	1	3	sleep_talking	0	no	yes	yes	yes	no	yes	no	no	OK	94	167	OK	133	86
2	00:30:00.000	back	1	1	yes	yes	no	3	2	none_of_the_abov	0	no	no	no	no	no	no	no	no	OK	102	181	OK	130	85
2	22:30:00.000	side	1	1	yes	yes	yes	4	3	none_of_the_abov	0	choice1	yes	no	no	no	no	no	no	OK	78	178	OK	120	80
3	22:00:00.000	side	1	1	no	no	yes	3	2	none_of_the_abov	1	yes	no	no	no	no	no	no	no	OK	113	176	OK	130	80
4	22:00:00.000	back	1	1	no	no	yes	4	1	tooth_grinding	0	choice1	no	yes	no	no	no	no	no	OK	57	167	OK	172	83
4	23:00:00.000	side	1	1	yes	no	no	1	3	nightmares	0	no	no	yes	no	yes	no	no	no	OK	86	170	OK	138	80
0	22:00:00.000	side	1	1	no	yes	no	4	1	none_of_the_abov	0	no	no	no	no	no	no	no	no	OK	95	168	OK	153	93
0	22:00:00.000	back	1	0	no	yes	no	0		sleep_talking night	0	no	no	no	no	no	no	no	no	OK	68	171	OK	118	89
3	22:00:00.000	side	1	0	yes	yes	yes	3	1	sleep_talking	0	no	yes	yes	yes	no	no	no	no	OK	89	160	OK	106	82
3	23:00:00.000	back	1	0	yes	no	no	1	4	none_of_the_abov	0	no	no	no	yes	no	no	no	no	OK	71	173	OK	123	84
2	22:00:00.000	back	1	1	yes	yes	no	2	5	none_of_the_abov	0	no	no	yes	no	no	no	no	no	OK	76	168	OK	130	96
2	01:00:00.000	side	1	1	yes	yes	yes	1	2	sleep_talking night	0	yes	yes	yes	no	no	yes	no	no	OK	76	150	OK	106	73
0	21:00:00.000	side	1	0	no	no	no	0		sleep_talking night	0	no	no	yes	yes	no	no	no	no	OK	70	162	OK	135	90
3	23:30:00.000	back side	1	1	no	yes	no	0		sleep_talking	0	no	no	no	yes	no	yes	no	no	OK	92	173	OK	126	85
1	22:00:00.000	back	1	1	yes	yes	no	2	2	sleep_talking fallin	0	choice1	no	yes	no	no	no	no	no	OK	63	155	OK	135	80
6	00:00:00.000	side	1	1	yes	yes	no	3	3	nightmares	0	no	no	no	no	yes	no	no	no	OK	95	175	OK	143	96
2	22:00:00.000	back	1	1	yes	yes	no	4	3	sleep_talking night	0	no	no	no	no	no	no	no	no	OK	69	161	OK	138	78
3	23:30:00.000	side	1	1	no	no	no	2	2	nightmares	0	choice1	yes	no	no	no	no	no	no	OK	81	171	OK	138	86
2	22:00:00.000	side	1	1	yes	no	no	3	2	nightmares	0	choice1	no	yes	no	no	yes	no	no	OK	91	173	OK	140	90
2	22:30:00.000	side	1	1	yes	no	no	0		none_of_the_abov	0	no	no	yes	no	no	yes	no	no	OK	67	169	OK	144	90
1	21:00:00.000	side	1	0	no	no	no	0		none_of_the_abov	0	no	no	no	no	no	no	no	no	OK	71	170	OK	118	82
5	10:00:00.000	back	1	1	no	yes	no	1	5	none_of_the_abov	0	no	no	no	no	no	no	no	no	OK	79	158	OK	121	61
2	23:00:00.000	back	1	1	yes	no	yes	3	3	sleep_talking	1	no	no	yes	yes	no	no	no	no	OK	98	180	OK	130	90
4	22:00:00.000	side	1	0	no	no	no	0		none_of_the_abov	0	yes	no	no	no	yes	no	no	no	OK	78	170	OK	136	93
2	23:00:00.000	side	1	0	yes	no	no	1	5	sleep_talking night	0	yes	no	yes	no	yes	no	yes	no	OK	75	167	OK	126	70
0	22:30:00.000	side	1	1	yes	no	no	1	4	none_of_the_abov	0	no	no	no	no	no	no	no	no	OK	68	169	OK	135	89
2	22:00:00.000	side	0	0	no	no	yes	4	3	none_of_the_abov	0	choice1	no	no	yes	no	no	no	no	OK	84	172	OK	102	73
5	22:30:00.000	back	1	0	no	yes	no	0		none_of_the_abov	0	yes	no	no	no	yes	no	no	no	OK	61	157	OK	130	50
2	23:00:00.000	back	1	1	no	yes	no	4	2	none_of_the_abov	0	no	no	yes	no	yes	no	no	no	OK	90	146	OK	131	89
2	22:30:00.000	side	1	0	no	no	no	2	3	none_of_the_abov	0	no	yes	yes	no	yes	yes	no	no	OK	68	148	OK	131	89
6	21:00:00.000	back	1	1	yes	no	yes	4	2	sleep_talking night	0	yes	no	yes	no	no	no	yes	yes	OK	64	161	OK	108	81
3	23:00:00.000	back	1	1	yes	no	no	3	2	sleep_talking night	0	yes	no	no	no	no	no	no	no	OK	84	168	OK	126	84
2	23:00:00.000	side	1	0	no	no	no	3	1	none_of_the_abov	1	no	no	no	no	yes	no	no	no	OK	44	163	OK	134	80
0	00:30:00.000	back	1	0	yes	yes	no	3	2	nightmares	0	choice1	no	yes	no	no	no	yes	no	OK	100	157	OK	160	110
2	22:00:00.000	back	1	0	yes	yes	yes	2	1	none_of_the_abov	0	choice1	no	yes	no	no	no	yes	no	OK	79	163	OK	159	84
8	22:00:00.000	side	1	0	no	no	no	1	0	none_of_the_abov	0	choice1	no	yes	yes	no	no	yes	no	OK	69	157	OK	159	89
1	22:00:00.000	back	1	1	yes	yes	no	2	3	sleep_talking night	0	no	no	yes	yes	no	no	no	no	OK	87	172	OK	116	85
4	23:00:00.000	back	1	1	no	yes	no	0		none_of_the_abov	1	yes	yes	yes	no	yes	no	yes	no	OK	86	152	OK	140	80
3	11:00:00.000	side	0	0	yes	no	no	2	3	sleep_talking night	0	no	no	yes	no	no	no	yes	no	OK	99	160	OK	142	92
1	22:00:00.000	side	1	0	no	no	no	3		none_of_the_abov	0	no	yes	yes	yes	no	no	yes	no	OK	77	138	OK	150	80
3	23:00:00.000	side	1	1	yes	no	no	1			1	yes	yes	yes	yes	yes	yes	yes	no	OK	93	170	OK	140	82
3	22:00:00.000	side	1	1	yes	yes	no	4		none_of_the_abov	0	no	no	no	yes	no	no	no	no	OK	60	152	OK	120	88
2	20:00:00.000	back	0	1	yes	yes	no	3			0	yes	yes	yes	no	yes	yes	no	no	OK	78	164	OK	140	89
2	00:00:00.000	side	0	0	yes	no	no	2	1	sleep_talking fallin	0	yes	no	no	no	no	no	yes	no	OK	42	161	OK	116	64
2	22:00:00.000	side	1	1	no	no	yes	3	3	sleep_talking	1	no	yes	yes	no	yes	no	no	no	OK	93	179	OK	140	82
1	23:00:00.000	side	1	1	yes	no	no	6			0	yes	no	yes	no	yes	no	no	no	OK	97	181	OK	142	86
5	01:00:00.000	back	1	1	no	no	no	0			1	choice1	no	yes	yes	no	no	no	yes	OK	82	180	OK	135	97
5	23:00:00.000	side	1	0	yes	yes	no	4	2	none_of_the_abov	1	yes	no	yes	yes	no	no	yes	no	OK	70	162	OK	124	89
2	23:00:00.000	back	1	1	no	no	yes	1	3	sleep_talking fallin	0	yes	no	no	yes	yes	no	no	no	OK	113	167	OK	140	80
2	22:00:00.000	back	1	1	yes	yes	no	3	3		0	yes	no	yes	no	no	no	no	no	OK	42	170	OK	103	69
3	22:00:00.000	back	1	0	no	no	no	3	4		0	yes	no	no	no	no	no	yes	no	OK	70	172	OK	124	67

8	22:00:00.000	side	1	0	no	no	yes	8	3	sleep_talking	0	no	no	yes	yes	no	yes	no	no	OK	94	150	OK	171	99
2	22:00:00.000	side	1	1	yes	no	no	3	1	sleep_talking night	1	no	no	yes	no	yes	yes	yes	no	OK	91	172	OK	131	91
3	23:00:00.000	side	1	1	yes	no	no	1	6	sleep_talking	1	yes	yes	yes	yes	no	no	yes	no	OK	94	174	OK	125	85
2	23:00:00.000	side	1	1	yes	yes	no	2	1	nightmares tooth_	1	no	no	yes	no	yes	no	yes	no	OK	65	151	OK	142	84
6	00:30:00.000	side	1	1	yes	no	yes	2	2	sleep_talking fallin	0	yes	no	yes	no	no	yes	no	no	OK	96	175	OK	128	87
2	00:30:00.000	side	1	1	no	yes	no	0		nightmares	0	choice1	no	no	no	no	no	no	no	OK	94	169	OK	147	95
5	21:00:00.000	back	1	1	yes	no	yes	5	2	sleep_talking tooth	1	yes	no	yes	yes	yes	yes	no	no	OK	75	160	OK	143	84
5	22:30:00.000	back	1	1	yes	no	yes	1	4	nightmares	0	no	no	no	no	no	no	no	no	OK	77	165	OK	136	84
4	22:00:00.000	side	1	0	no	yes	yes	2	2	sleep_talking eatin	0	yes	no	yes	no	no	no	yes	no	OK	71	165	OK	151	86
2	23:30:00.000	side	1	1	no	yes	yes	4	3	sleep_talking	1	no	no	no	no	no	no	no	no	OK	115	165	OK	108	70
8	01:00:00.000	side	1	1	yes	no	no	1	4	sleep_talking	0	yes	no	no	no	no	no	no	no	OK	113	180	OK	130	94
2	22:00:00.000	side	1	0	yes	yes	no	5	2		0	no	yes	yes	no	yes	no	no	no	OK	94	166	OK	146	93
2	22:00:00.000	back	1	1	no	yes	yes	3	2	falling_out_of_bed	1	yes	no	yes	no	no	yes	no	no	OK	101	167	OK	134	96
2	21:00:00.000	back	0	0	no	no	no	3	4	sleep_talking	1	choice1	no	yes	no	yes	no	yes	yes	OK	41	158	OK	116	74
10	20:00:00.000	side	0	1	yes	no	yes	10	2	tooth_grinding	1	choice1	yes	yes	yes	yes	no	yes	no	OK	71	167	OK	120	71
2	23:00:00.000	side	1	0	no	no	no	4	2	sleep_talking night	0	no	no	yes	no	no	no	no	no	OK	64	145	OK	109	77
2	22:00:00.000	side	0	0	no	no	no	2	3		0	yes	no	yes	no	yes	no	no	no	OK	53	151	OK	132	79
4	00:00:00.000	stomach	1	1	yes	no	no	0		nightmares	0	choice1	no	no	yes	yes	no	no	no	OK	69	174	OK	124	76
3	23:30:00.000	side	1	1	yes	yes	no	2	3	sleep_talking	1	no	no	yes	yes	yes	no	no	no	OK	82	155	OK	119	86
3	21:00:00.000	side	1	0	no	no	no	3	3		1	yes	no	yes	yes	yes	yes	yes	no	OK	89	152	OK	117	67
1	21:30:00.000	side	1	0	no	no	no	0			1	no	no	yes	no	no	no	no	no	OK	84	146	OK	124	83
2	22:00:00.000	side	1	0	no	no	no	2	4		0	choice1	yes	yes	no	no	no	yes	no	OK	60	164	OK	136	89
2	23:00:00.000	side	1	0	no	no	no	1	4		0	choice1	no	no	yes	yes	no	no	no	OK	88	165	OK	129	87
3	21:00:00.000	side	1	0	no	no	no	1	4	nightmares	1	no	no	yes	no	no	no	yes	no	OK	79	152	OK	117	77
2	00:00:00.000	side	1	0	no	no	no	0		none_of_the_abov	0	no	no	no	no	no	yes	no	no	OK	67	156	OK	99	80
3	23:00:00.000	side	1	1	yes	no	no	0		none_of_the_abov	0	yes	no	no	no	no	no	no	no	OK	79	173	OK	126	80
2	23:00:00.000	back	1	1	yes	no	no	3	2	none_of_the_abov	0	yes	no	yes	no	no	yes	no	no	OK	110	148	OK	182	81
3	22:30:00.000	side	1	1	yes	no	yes	3	2	sleep_talking	0	no	no	yes	no	yes	no	no	no	OK	102	170	OK	140	85
3	00:30:00.000	stomach	1	1	yes	yes	yes	3	2	none_of_the_abov	0	choice1	no	no	yes	no	no	no	no	OK	89	173	OK	144	90
2	23:00:00.000	back	1	1	no	no	no	4	1.5	sleep_talking	1	no	no	yes	no	yes	no	no	no	OK	79	149	OK	123	69
2	23:00:00.000	back	1	1	no	no	no	2	2	none_of_the_abov	0	no	yes	yes	no	yes	no	no	no	OK	119	176	OK	146	74
6	23:00:00.000	side stomach	0	0	no	no	no	1	2	none_of_the_abov	0	no	no	yes	yes	yes	no	no	no	OK	75	155	OK	138	69
4	00:00:00.000	side	1	0	no	yes	no	2	3	none_of_the_abov	0	no	yes	yes	yes	yes	no	no	no	OK	77	147	OK	135	89
2	23:00:00.000	side	1	1	no	no	no	3	2	none_of_the_abov	0	no	yes	yes	yes	no	no	no	no	OK	70	148	OK	165	73
4	23:00:00.000	side	0	0	no	yes	no	1	3	none_of_the_abov	0	no	no	no	no	no	no	no	no	OK	55	152	OK	130	103
3	23:00:00.000	stomach	1	1	no	yes	yes	15	1	sleep_talking	1	no	no	no	no	yes	yes	yes	no	OK	128	152	OK	150	83
3	00:00:00.000	side	1	0	no	yes	yes	1	2	none_of_the_abov	0	no	no	no	no	yes	yes	no	no	OK	98	176	OK	121	82
2	23:00:00.000	side	1	0	no	yes	no	2	2	nightmares	0	no	no	no	no	no	yes	no	no	OK	83	153	OK	139	94
2	21:30:00.000	side	1	1	no	no	no	3			0	no	no	no	no	no	no	no	no	OK	85	175	OK	140	85
10	00:00:00.000	back	1	0	no	no	no	2	3		0	yes	no	no	no	no	no	no	yes	OK	92	178	OK	146	109
1	23:00:00.000	side	1	1	no	no	no	3			0	no	no	no	no	no	no	no	no	OK	78	147	OK	128	83
3	23:00:00.000	side	0	0	yes	yes	no	4	3		1	no	no	yes	no	no	yes	yes	no	OK	62	158	OK	154	85
0	21:00:00.000	back	0	0	no	no	yes	2		sleep_walking slee	0	choice1	no	no	no	no	no	no	no	OK	55	165	OK	120	68
4	11:00:00.000+05:3	side	0	0	no	yes	no	3	1		0	no	no	yes	no	yes	no	no	no	OK	75	151	OK	134	90

155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
update_patient_is_	update_spo2__pul	update_neck_circu	update_retrognath	update_micrognatl	update_macroglos	update_mallampat	update_tonsil_grac	update_fbs	update_hba1c	update_ldl	update_ph__abg	update_pco2_abg	update_hco3_abg	update_hb	update_hct	update_rdwcv	update_mch	update_mchc	update_mcv	update_ferritin	update_pft_fvc__p	update_pft_fev1__	update_pft_fev1fvc	update_tsh	update_serum_bic
0	95	1	no	no	no	choice3	iv	81		119	7.364	70.9	26.6	14.9	46.6	14.4	27	32	84.04		79	76	99	6.88	
0	97	0	no	no	yes	choice3	choice6																		
1	93	0	no	no	yes	choice2	choice6																		
0	95	0	no	no	no		choice6																		
0	96	0	no	no	yes	choice2	choice6																		
1	98	0	no	no	yes	choice2	choice8	82		42														3.2	
1	95	1	no	no	yes	choice2	choice9	94		107	7.392	35.9	21.3	15.5	46.7	13.6	30.9	93.2	33.2		74	83	87.7	0.627	
1	97	1	no	yes	yes	choice2	choice7	123		116	7.409	39	24	12.6	39.7		27.4	31.7	86.3		75	84	90	1.23	
1	96	1	no	no	no	choice2	choice9	212			7	34	23	14	50	13	29	32.9	89		87	88	81.1		
0	96	1	no	no	yes	choice1	choice8	120		101	7.4	38	23	14.3	43	13.8	34.4	33.4	102.9		86	93	82.9	2.45	
1	97	0	no	no	yes	choice3	choice8	115		208	7.4	37	23	13.7	44	14.4	28.7	32.3	88.7		76	77	73.8		
0	97	1	no	no	yes	choice3	choice7	87		135	7	30	20	18	55	14	29	32.8	89					2	
1	96	1	no	no	yes	choice2	choice7	100		126	7.426	35.2	22.6	13	41.8	15.2	27.5	31.1	88		74	83	73.1	1.616	
0	0	0	no	no	yes	choice2	choice8																		
1	96	1	no	no	yes	choice3	choice8	118		2	7.394	37.4	22.3	15.8	44.24	14.6	29.2	30.4	97.7					1.84	
0	93	1	no	no	yes	choice2	choice8	98		117				11											
1	95	0	no	no	yes	i	choice7	94		130	7.36	45.5	25.7	15.7	47	13.6	29.3	33.4	87.8		70	72	83	1.6	
0	97	0	no	no	yes	choice3	choice9	96						14										3	
1	94	0	no	yes	yes	choice3	choice7	99		145	7.41	44.7	28	17.4	52.9	15.4	28.1	32.9	85.3		54	49	72.2	1.94	
0	90	0	no	no	no	i	choice9																		
0	97	0	no	no	no	choice3	choice7																		
0	95	1	no	no	yes	choice3	choice8	131		94	7.383	35.4	20.6	10.4	49.9	47	29	34	88		76	75	94		
1	97	0	no	yes	no	choice1	choice7	154		196	7.43	36.9	24	16.9	50.1	13.5	27.7	33.7	82		67	72	82.2	3.16	
1	97	0	no	no	yes	choice1	choice6	89		150	7.39	41.1	24.7								79	82	84.4	1.66	
0	96	1	no	no	yes	choice2	choice7	100		113	7.387	39.5	23.2	15.9	44.5	13.2	29.3	31.5	93		78	82	100	7.96	
1	97	0	no	no	yes	choice2	choice7	64		168	7.36	38.5	21.4	13.9	43.6	14.6	27.4	31.9	85.9		72	75	82.2	2.03	
0	97	0	no	no	no	choice1	choice7																		
0	97	1	no	no	no	choice3	choice7																		
1	94	0	no	no	yes	choice1	choice7	90		97				10.5	34		25.6	30.6	83					1.49	
0	90	1	yes	no	yes	choice3	choice7				7.3	35.6	29.4	10	49.6						56	51	107		
0	97	0	yes	yes	yes	choice3	choice7	99		124	7.41	38.8	24.1	15.1	43.7	14.2	29.7	34.3	85.9		63	63	77.8	3.61	
0	96	0	no	no	yes	choice2	choice8	72		115	4.374	35.2	20.5	14.3	45.2	14.2	28.7	31.7	90.7		87	101	87.3	2.09	
1	99	0	no	no	no	choice3	choice7	77		125															
1	95	1	yes	yes	yes	choice2	choice7	110		110	7.4	41.8	25.7	13.4	44.9	16	28.2	29.8	94.3		65	71	84.3	2.31	
0	99	0	no	no	no	choice3	choice7																	4.85	
0	96	0	no	no	yes	choice3	choice7	101		110				12	38	15	24	30.9	74						
0	95	0	no	no	no	choice3	choice8	85		43	7	35	21	13	41	14	29	32.6	90		48	35	73.1	2.6	
1	93	0	no	no	yes	choice1	choice7	106		148	7.44	35.6	23.7	12.9	43.7	17.6	19.1	29.5	64.5		66	68	69.9	8.45	
0	95	0	yes	yes	yes	choice3	choice8	80		117				15.8	43.8	15	29.5	36	81.8		106	103	80.1	1.67	
1	97	0	no	no	yes	choice1	choice7	80		100	7.4	39.3	24.6	12.9	42.9	14.2	31	35.6	86.9		108	101	81	1.8	
1	97	0	no	no	yes	choice1	choice7	102		68	7.42	35.5	22.6	13.4	36.3	14.2	29.8	36.9	80.8		85	85	75.8	2.33	
1	97	1	no	no	no	choice3	choice8	94		143	7.3	37.6	22.7	15.2	48.5	14.5	31.5	36.7	86		85	85	86.5	0.6	
0	96	0	no	no	yes	choice3	choice7	102		154	7.39	37.8	22.7	16.6	44.8	13.6	33.9	37	91.5	111	85	84	78	3.82	
1	97	1	no	no	yes	choice3	choice8	107		113	7.47	28.4	21	35.6	13.5	35.6	29.9	36.5	81.8	93	69	65	69	2.72	
1	99	0	no	no	no	choice3	choice7	93		163	7.3	27.4	19.5	13.3	40	15.5	31.4	36.4	86.31		104	109	83.2	5.13	
0	87	0	no	no	no	choice3	choice7	161		70	7.3	37.6	24	15	45	14.1	30	36.3	82.7		73	70	73	1.65	
0	97	0	no	no	yes	choice2	iv	94		125	7.4	31.9	21.1	15.6	43	36.2	27	36.2	77		94	94	83.6	1.88	
0	97	0	no	yes	no	choice2	choice8	92		170	7.3	40.3	23.7	14.1	49.6	14.7	30	35.8	83.7		79	85	108	2.14	
0	96	0	no	no	yes	choice3	choice7	114		139	7.37	40.5	23.1	13.9	39	14.4	26.8	35.7	75.1		83	103	119	1.93	
0	96	0	no	no	no	choice1	choice7	174		174		37.5	21.4	11.6	42.3						75	84	108	5.8	
0	99	0	no	no	yes	i	choice6	85		99	7.362	44	24.5	18	49	13.3	33.3	36.8	90.7					4.38	
1	95	0	no	no	yes	choice3	choice6	97		111	7.3	38.3	22.2	15.2	42	14	32	36	91			79	87	3.18	
0	99	0	yes	yes	no	choice3	choice7	90		137	7.394	38	23	15.5	46.9	14.1	31.4	33.1	94.7		85	85	82.9		
1	95	1	no	no	yes	choice3	choice8	70		74	7.3	48.7	28.7	14.6	46.5	14.9	36.3	31.4	83.6		53	81	86.4	1.83	
0	95	0	no	no	no	choice2	choice6	117		217				12.6	48.1	14.2	29	355	81.8		79	71	61.3	0.34	
0	95	1	no	no	no	choice2	choice7			4	7.374	39.9	22.8	13.1	49.3	13.2	30.1	32.6	92.4		78	82	86	1.11	
1	97	1	no	no	yes	choice3	choice7	213	126	61	7.3	38.8	21.9	13.7	31.9		27	31	87		85	88	111	1.27	
1	96	0	no	no	yes	i	choice6	104		118	7.38	70.5	23	15.5	47.2	13.7	26.9	32.8	82		75	79	80.9	1.65	
1	97	1	no	no	no	choice3	choice7	119		77	7	46	26	13	48	14	30	33	90	0	70	72	76	0.78	
0	95	0	no	no	yes	choice2	choice7	292		77				13.5	39	14.5	78	26	78					2.26	
0	94	0	no	no	yes	choice3	choice8	99		150	7.429	37.1	24	13	47.8	14.7	29	349	85		80	95	88.3	3.19	
0	97	0	no	no	no	choice3	choice7	102		202	7.39	29.6	17.6	14.37			31	35	86		99	102	84.7	4.27	
0	96	0	no	no	yes	choice3	choice7	81		142	7.408	37.9	23.4	11.2	42.4	13.5	27.2	35.2	85		96	108	85	2.29	
0	96	0	no	no	no	choice1	choice7	100			7.4	42.9	26.4												
0	97	0	no	no	yes	i	choice6	85		97	7.409	35.4	21.9	11.2	41.3						103	100	74	1.02	
0	95	0	no	no	yes	choice3	choice7	87		101	7.3	44.5	26.5	12.6	40.8	12.2	27	30	87					0.93	
0	95	0	no	yes	yes	choice3	choice8	205		138	7.399	39.8	24.1	13.5	48	12.8	26.4	33.4	79.1		68	73	82	0.92	
1	87	1	yes	yes	no	choice3	choice8	177		1	7.391	45.3	26.9	11.6	40	16.9	27.2	27.9	97.4		52	49	75	1.9	

1	95	0	no	yes	no	choice3	choice7	123		140	7.399	40.9	24.7	11.9	45.8							80	83	73.6	2.29
1	93	0	no	no	no	choice2	choice7	94		3	7.34	42.1	22.2	13.9	50.8	12.4	30	32.9	91.5			86	100	85	1.73
1	97	0	yes	yes	yes	choice3	choice8	92		119	7.3	38.6	22.1	14.7	44	13.5	28	32	86			84	87	83.6	1.39
1	95	0	no	no	yes	choice2	choice8	201		66				11.4	33	20	19	33	58						0.76
1	97	0	no	no	no	choice3	choice7	110		127	7.4	34.2	20.7	12.4	46.3	13.2	28.4	32.8	86.5			85	94	78	0.66
0	95	0	no	no	no	i	choice6	94		123	7.386	37	22	11.7	45	14.4	33.9	32.5	104.5			71	77	80	3.6
1	97	0	no	yes	yes	choice2	choice6	117		94	7.394	32.9	19.6	12.6	45	13.2	30.5	33.1	92			97	107	83.6	1.62
0	97	0	no	yes	no	choice3	choice7	88		135	7.113	32.5	20.3	9.7	32.8	13.7	27.3	32	85.2			91	85	78	2.02
0	95	0	no	no	yes	i	choice7	103		114				10.5	32.5							63	68	75.4	0.003
0	80	0	no	no	yes	choice3	choice8	172		99	7.393	33.5	19.9	12.9	40.5	13.8	29	35	83			74	81	83	3.52
1	97	0	yes	yes	no	choice3	choice8	107		100	7.386	38.6	22.7	10.2	35.1	15.7	25.6	31.2	81.8			56	67	81	1.64
0	82	0	no	no	yes	choice3	choice8	98		67	7.2	26.8	12.3	10.6	38.9	23	20	27	73						2.1
0	95	1	no	no	no	choice2	choice8	259		145	7.4	38.3	23.1	12.9	37.9	12.2	29.9	34	88			78	94	82	0.6
0	95	1	no	yes	yes	choice3	choice8	92		121	7.369	34.5	19.5	15.6	48.6	15.6	30.8	32	96			65	78	87	1.48
0	95	0	no	no	no	choice3	choice7	106		127	7.357		27.5	13.1	39.9	13.2	29.2	32.7	89.5			95	101	108	6.55
1	97	0	no	no	no	choice3	choice8	91		106	7.391	37.9	22.5	13.3	41.2	13.9	28.4	32.3	88			82	80	81	2.43
1	95	0	yes	no	no	choice3	choice8	137		71	7.354	41.9	22.8	15.3	46.5	13.8	28	32.8	85.2			72	87	80	2.73
1	87	0	no	no	yes	choice1	choice6	194		78	7.39	37.5	22.2	11.1	42.1							63	74	81	
0	95	0	no	no	yes	choice3	choice7	83		123	7.3	38.5	22.3	13.7	45.4	13.7	33	33.6	98.4			98	102	85	3.26
1	92	1	no	no	yes	choice3	choice7	84		141	7.3	42.9	25.1	12.5	45.8	15.8	27.5	31.2	88.1			54	54	67.4	2.83
1	95	1	no	no	yes	choice2	choice7			70	7.41	35.1	21.9	12.54	41.8	13.7	29.5	31.8	92.8			79	88	71.2	1.82
0	96	0	no	no	yes	choice1	choice7	92		131	7.3	41	21	13.2	41	14	28	31	88			52	65	78.9	0.66
0	95	0	no	no	no	choice2	choice8	146	7.4	62	7.4	33.7	22.2	7.5	26.4	19	16.5	28.4	58.1						2
1	96	0	no	no	no	choice3	choice6	113		100	7.4	38	23	13	40	12	28	33	84			97	106	82	2.25
0	96	0	no	no	yes	choice3	choice6	110		119	7.4	29.4	17.8	15	44	13	29	33	87			102	109	83.8	4.32
1	95	0	yes	yes	yes	choice3	choice8	93		136	7.4	33.7	21	14.9	43.9	12.5	26.5	33.9	78.1			96	101	80.1	2.19
0	96	1	no	no	yes	choice3	choice7	86		109	7.4	38	24	13	42	17	28	31	89			48	52	79	5.7
0	97	0	no	yes	yes	choice3	choice8	96		165	7.4	36		14	40		21	35	89			89	91	77	2.41
0	98	0	no	no	yes	choice3	choice7	151	11.6	120	7.3	38.7	23.7	11.6	39.5							99.32	101.2	101.8	4.25
0	96	1	yes	yes	no	choice2	choice8	82		91	7.39	27.5	18.8	15.3			27	32	85			126	125	77	1.7
0	96	1	no	no	yes	choice3	choice6	86		113	7.3	38	23	13	41	15	29	31	92			94	94	78.3	4.46
1	96	0	no	yes	yes	choice3	choice6	93		103	7.3	46.9	27.7	14	46		23	30	46			80	88	85	20.2
0	92	0	no	no	yes	choice3	choice7	103		73	7.4	38.5	23.8	10.2	33	13.9	27.4	30.7	89.2			56	68	80.2	4.41
1	96	0	no	no	yes	choice3	choice7	92		136	7.39	38.7	23.4	16.4	49.1	14	32.9	33.3	98.6			82	87	72.7	3.42
1	98	0	yes	no	no	choice3	choice7	92		2	7.41	89.6	20.1	14.1	40.5							72	78	111	2.73
0	96	1	no	yes	no	choice1	choice7	120	6.8	74	7.4	37	22.5	13.2	38.5	12.9	28.5	32.9	86.8			80	82	103	4.14
0	96	1	no	no	yes	choice3	choice9	90		75	7.3	37	21	13.2	42	16	25	31	83			97	114	81.9	2.46
0	90	0	no	no	yes	choice2	choice8	90		105	7.33	52.3	27.3	10.1	41.7	18.2	20.8	28.4	73.3			55	60	106	2.63
1	95	1	yes	yes	yes	choice3	choice9			89	7.33	34	17.6	17.5	61.8							99	121	115	1.89
0	97	0	yes	no	yes	choice3	choice8				7.3	50.1	28.8	12.8	41.8	14.2	27.5	30.7	89.5						
1	96	0	no	no	yes	choice3	choice7	88		110	7.4	35	21	16	50	14	28	31	89			82	78	71	5.65
0	96	0	no	no	no	i	choice7				7.4	25.6	19.4	11	40.5	13	27.5	31.7	86.8			96	105	87.3	
1	94	0	yes	no	yes	choice2	choice9	120		206					30	17	16.9	29.9	56.7			82	93	110	1.25
0	97	0	no	no	no	choice3	choice6	112		92	7.41	38.5	23.9	13.8	48.4	16.6	27.5	31	88.9			91	104	115	4.15
1	97	0	no	no	yes	i	choice7	87	7	66	7.3	38.5	22.9	13.1	41.3							104	105	103	1.38
0	92	0	no	no	no	choice3	choice7	89		124	7.35	54.2	29.6	11.4	43.4	13.21	29.3	31.2	94						2.28
0	95	1	no	no	no	choice3	choice9	109		136	7.4	32.1	23.6	15	45							82.2	81.1	79.31	3.1
1	96	1	yes	no	yes	choice3	choice6	104		61	7.3	42.1	24	15.3	48.5	14.3	27	31	86			75	91	87.1	2.48
0	95	1	no	no	yes	choice3	choice7	81		90	7.3	69	37	15.9	52	15	30	30	101			55	60	71.9	2.37
0	97	1	yes	yes	no	choice3	choice6	100		77	7.3	41.6	24.4	14	44	12.3	28	32	88			100	108	88.4	2.05
0	97	0	no	no	yes	choice3	choice8	107		130	7.35	36	21	15.4	51	13.2	27.9	33.1	84.4			2.64	2.01	76.1	1.92
1	96	1	no	no	yes	choice2	choice6	80		57	7.4	38	27	11.6	36	14	26	32	81			54	58	72.8	4.1
1	95	1	no	no	no	choice3	choice8	85		66	7.3	39	22	13	43	15	25	30	81			58	69	82.1	4.14
1	98	0	no	no	yes	i	choice7	93		165	7.42	31.2	20	15.3	49.4	14.5	26.9	31.7	84.9			94	97	106	3.57
0	96	0	no	no	yes	choice3	choice8	97			7.3	41	23	14.8	46.8	14.9	29	31	93			4.46			4.46
0	90	1	no	no	yes	choice3	choice9	79		56	7.3	52.6	49.7		40.3	21.4	22.8	27.8	81.9	8		52	49	74.3	2.56
0	92	0	no	no	yes	choice3	choice7	95		86	7.3	67	33.8												
0	96	0	yes	yes	yes	choice3	choice8	97		119	7.3	38.3	22.8	14.2	44.4	13	26.5	32	82.9			86	79	79	2.58
1	90	0	yes	yes	yes	choice3	choice8				7.32	33.7	31.6	14.5		15	27.1	29	91.2						1.13
0	95	0	yes	yes	yes	choice3	choice7			123	7.35	38.2	21.5	13.9	41	14.5	25.5	31.4	81.1			75	70	75.6	1.42
0	96	1	no	no	yes	choice3	choice7	96	7	102				12.8	40	14.6	27	31	85			87	99	78.7	5.98
1	96	1	yes	no	yes	choice3	choice9	101	6.5	43	7.36	37.5	21.3	16.6	49	13.9	29.8	30.4	97.9			71	79	79	2
1	99	1	yes	no	yes	choice3	choice9	93	6.4	107	7.42	31.5	20.7	14.6	43	13.3	29.8	31.3	95.3			74	88	72.4	3.41
1	86	1	yes	no	yes	choice2	choice9				7.4	43.6	26.8	8.2	46.1	18	26.2	29.9	87.7						1.24
0	99	0	no	no	no	i	choice6	92		141				13	41.8	15	26.4	31	85.1			95	100	105	5.26
0	96	1	no	no	yes	choice3	choice7	89		89	7.4	43	29	11	36	16	24	30	80			78	76	79.3	4.01
1	96	1	yes	no	yes	choice2	choice7	124		81	7.43	42	27.9	9.9	32		27	33	81						4.3
1	97	0	no	no	yes	choice3	choice8		6.9	1.98	7.405	26.7	16.9	9.1	34.8	15	28.4	34.5	82.3				101	115	5.24
0	95	1	no	no	no	choice3	choice7	90	6	54	7.4	36.1	24.3	12	41.1	12.2	29	33	87.9			70	67	81.7	4.61
1	92	1	no	no	yes	choice3	choice7	112		10				10		13	25	28	84						
0	96	1	no	no	yes	choice3	choice7	93		45	7.43	40.4	26.7	10.3		17.5	29.1	30.9	94.1			65	65	78	2.03
1	95	1	no	no	yes	choice3	choice8	89		133	7.4	33.6	22.9	10.8	36.4	45	21	29	71			77	89	74.4	2.48
0	95	1	no	no	yes	choice3	choice6	99		133	7.4	38	23.8	13.7		13.5	33	37	89			88	97	78.4	2.87
0	92	1	no	no	yes	choice3	choice7	106																	
0	97	1	no	no	yes	choice3	choice8	135		83							30.2	34.6	87.2			80	89	72.6	2.51
0	95	1	no	no	yes	choice3	choice9	155	8.4	54	7.43	42.2	27.7	13.2	41.4	13.5	27.3	32.5	84.1			76	71	77.5	2.84

0	92	1	yes	yes	yes	choice3	choice8	106			7.49	29	21.8	15		13.4	30.8	33.5	91.9		56	43	72.5	2.6	
1	93	1	no	no	yes	choice3	choice8	93			7.42	36.1	24.6	16	47		30.2	35.2	79.1		69	77	70.4	2.66	
1	81	1	no	yes	yes	choice3	choice9	165	6.2	114	7.51	29.3	23.5	11.3	33	12.9	30.13	33.81	89.11					1.33	
0	97	0	no	no	yes	choice2	choice7	117			7.42	34.9	22.1	15	44	13.3	27	38	81		107	115	85.3	2.61	
1	96	1	no	no	yes	choice3	choice8	134			7.43	38.8	26	12.4	44	18	28	18	86		40	32	58.1	1.55	
1	96	1	no	no	no	choice2	choice6		6.8		7.38	36.4	21.9	14.3	42.9	16.6	26.5	32.3	82		57	40	73.4	2.18	
0	96	1	no	no	yes	choice3	choice9	119		134				15.8	51.1	14.1	28.6	30.9	92.3		69	78	86.5	1.44	
0	96	1	no	no	yes	choice3	choice8	101		83	7.47	26.2	19.6	15.2	46.7	13.1	28.1	32.6	86.1		74	89	86.7	1.14	
0	97	0	no	no	yes	choice2	choice9	141	7.7	78	7.44	32.2	22.2	13.4	40	16	22.1	30	73.7		75	72	74.7	1.01	
0	96	1	no	no	yes	choice3	choice7	104		132	7.45	70	23.9	10.4	35.5	17.9	21.2	29.1	72.7		66	78	81	7.02	
0	95	1	no	no	yes	choice2	choice6	109	6.1	139	7.41	29.7	19	16	49.2	13.7	28.1	32.5	86.6		62	70	86.3	2.85	
1	95	1	no	no	no	choice3	choice7	107		23	7.9	25.7		11.1		30	28.42	36	78.95					0.48	
0	98	0	yes	yes	yes	choice2	choice9	104		162	7.44	30.3	20.8	13.6	41	13.3	26.9	31.8	84.6		75	78	79.7	2.74	
1	97	0	yes	yes	yes	choice2	choice8	92		96	7.4	33.9	21.6	14.7	45	19.2	22.7	32.3	70.1		84	106	89	8.85	
1	98	0	no	no	yes	choice3	choice9	98		88	7.41	30.1	19.7	12.9	39	17.2	21.4	35.4	60.5		104	117	75.5	0.89	
1	92	1	no	no	yes	choice3	choice9	102		60	7.44	31.1	21.3	11.7	39.3	16.2	20	29	68					3.43	
0	94	0	no	no	yes	choice1	choice7	266	11	60	7.44	32.8	22.4	13.5	41.4	13.9	26.6	31	86					3.68	
1	97	1	no	no	yes	choice2	choice8	88		78	7.38	45.2	26.4	17.4	53.1	18	26	30	87		44	32	72.5	1.76	
0	90	0	no	no	yes	choice3	choice8	96			7.44	42.1	28.5	19.1	59.3	14.3	31.2	31	96		38	28	57.7		
1	97	1	no	no	yes	choice3	choice6	106		106	7.41	30.8	19.8	16.4	49.2	12.8	28	33	85		99	96	77	2.73	
0	97	1	no	no	yes	choice3	choice6	95		132	7.45	30.8	21.6	13.9		13.2	28.3	33.7	35.3		96	105	79.1	1.21	
1	94	1	no	no	yes	choice3	choice8	94		118	7.48	31.9	24.2	11	33	13.2	31.7	33.1	95.7		84	92	72.8	30.5	
1	93	1	yes	no	yes	choice3	choice7	138		131	7.32	40.2	20.3	15.6	51.3	18	26	30	86					2.84	
1	96	0	yes	no	yes	choice3	choice8	109	5.54	103	7.41	35.2	22.3	15.8	49.3	14.4	27.2	32.2	84.9		92	94	84.8	1.65	
0	96	0	no	no	yes	choice3	choice7			53	7.45	26.9	18.9	13.3	40						65	59	71	2.17	
0	96	1	yes	no	yes	choice3	choice8	100	5.92	142	7.42	37.2	23.7	14.7	44.1	13.2	27	33	82.4		92	113	83.5	4.52	
0	97	1	no	no	yes	choice3	choice6	110		127	7.39	38.5	22.9	13.4	43	14.5	28	31	92		75	83	83.7	2.12	
0	95	0	no	no	yes	choice2	choice8	86		136	7.38	42.2	24.6	15.6	47.7	14	29	33.8	86		66.12	67.19	81.67	1.64	
0	95	0	no	no	yes	choice3	choice9	110		83	7.44	34.9	24.6	10.3	32	21.5	17.8	26.6	66.6		67	79	72.9	3.69	
1	92	0	yes	no	yes	choice3	choice8				7.48	44.8	32.9	13.7	42	17.7	22.6	28	80.8		52	40	74		
0	95	1	no	no	yes	choice3	choice7	207		82	7.39	35.2	22.4	14.5		14.1	25.5	32.2	79		86.6	99.9	89.7	3.1	
0	94	0	no	no	yes	choice3	choice8	112		75	7.43	27.6	18.8	14.8	43	12.9	29	33	88		81	85	72	3.99	
0	98	0	no	no	yes	i	choice7	108		74	7.41	29.5	19	16.2	49	15.1	26	32.3	80.6		93	95	83.6	4.73	
1	96	0	no	no	yes	choice2	choice7			97	7.44	38.3	25.8	13	40.1	14	31	32	98					2.49	
0	97	0	no	no	yes	choice2	choice8	91		132	7.42	29.7	19.7	15.5	46						93	100	82.9	2.43	
1	98	0	yes	no	no	choice3	choice9	107	5.96	134	7.44	30.1	20.8	14.2	43	13	30	33	91		97	100	75.5		
1	97	0	no	no	yes	choice3	choice7	102		102	7.38	37.9	22	9.6	29.8	16.8	22.2	30.4	72.9		86	89	74.3	7.85	
1	94	0	no	no	yes	choice2	choice7	75		111	7.42	33.8	21.6	15.3	46.9	14.6	23.8	26.2	91		106	121	74.6	2.93	
0	96	1	no	no	yes	choice3	choice8	97		156	7.36	39	21.9	13.8	42.3	15	24	28	86		81	93	75.1	6.06	
1	98	0	no	no	yes	choice3	choice7		6.83		7.48	37.1	27.5	98	13.3	40.8	16.1	31.5	34	92.6					
1	96	0	no	no	yes	choice3	choice8	144		137	7.42	36	23	13.7			32	34	95		93	93	79.9		
0	94	0	no	yes	yes	choice1	choice6	101		68	7.4	45	29	14.3	44.9	14	26	31	83		94	93	79.8	3.75	
0	96	0	yes	no	no	choice2	choice8	108		88	7.39	37.3	22.5	13.2	40.6	13.8	28.6	32.5	87		76	75	72.7	2.27	
0	95	1	yes	no	yes	choice3	choice6	93	5.5	113				15	45	12	27	37	82		75	87	82.7	85.7	29.72
1	96	0	no	no	yes	choice3	choice7	91		132	7.36	36.7	20.4	13.5	41.6						76	76	84.6	5.53	
0	95	0	no	no	yes	choice3	choice8	72		77	7.42	34.7	22.3	13.6	41.7	14.6	30.5	34.5	88.4		55	58	79.4	3.12	
0	95	0	no	no	yes	choice3	choice8	110		91	7.41	33.4	21	10.6	32.6	15.4	26.1	31.6	82.6		71	72.1	6.84		
1	97	1	no	no	no	choice3	iv	76		112	7.39	36.8	23	14.7	45.1	14.4	29.8	33.4	89		101	114	89	4.62	
0	96	0	no	no	yes	choice3	choice8	140		110	7.43	29.3	20	14.7	44	13.3	31.5	32.3	98		64	67	73.7	3.88	
1	92	0	no	no	yes	choice3	choice8				7.4	45.7	27.7	15	46	12.6	28.5	31.4	90.9						
0	96	0	no	no	yes	choice3	choice6	92		93				14.2	46.2	17.2	20.2	30.5	66.1		107	109	76.6	4.34	
0	86	0	no	no	yes	choice3	choice9			73	7.41	39.5	24.5	13.4	41.2						32	34	77.8	1.57	
0	95	0	no	no	yes	choice3	choice6	176		106	7.4	36.6	22.2	13.4	40.2	17	25	35	71		108	116	86	1.41	
1	97	0	no	no	yes	choice3	choice8		7.3	119	7.4	51.1	32.8	13.1	39	14.4	26.9	30.2	88.9		74	86	74.3	3.16	
0	92	0	no	no	yes	choice3	choice8	100		78	7.46	52.1	38	14.1	42						59	72	69.9	4.5	
0	82	0	no	no	yes	choice3	choice7			49	7.41	58.3	37.5	15	45	17.3	25.9	29.8	86.9						
0	97	0	no	no	yes	choice3	choice8	109	5.8	75	7.44	126	42.3	99	13	15.4	35.8	33.1	108.2		87	92	76		
1	84	0	no	yes	yes	choice3	choice6	86		52	7.42	42.3	32	11.2	42	14	27	29	84						
1	96	0	no	no	yes	choice3	choice8	94		122											96	94	75.2	1.8	
1	93	0	no	no	yes	choice3	choice7				7.63	28.5	30.6	4.9	15	15.6	25.4	30.7	82.8		63	53	72.1		
1	93	0	no	no	yes	choice3	choice8			135	7.41	33.7	22.7	15	46						68	74	72	2.23	
0	97	1	no	yes	no	choice2	choice7	122		74				13.9	44.3	15.1	26.3	31.4	83.8						
0	97	1	no	no	yes	choice2	choice6	200		90	7.41	29	20.3	10.5	26.9	13.7	30.2	39	77		72	80	83.6	2.08	
1	94	1	no	no	yes	choice3	choice8			107						14.5	28.1	32.5	86.4		104	129	66.4	1.82	
1	80	0	no	no	yes	choice2	choice7	99		125	7.44	44.6	30.6	12.7	38		28	31	90		28	42	73.3		
0	97	1	no	no	yes	choice3	choice7	114	6.3	82	7.4	34	23	10							61	52	68	1.4	
0	99	0	no	no	no	choice3	choice8	88	5.8	117	7.4	27	18	12	36						82	99	81	1.8	
0	88	0	no	no	yes	choice3	choice7														72	80	76	3	
0	88	0	no	no	yes	choice3	choice7				7.4	46	29	15	38	18	22	29	78						
0	92	1	no	no	yes	choice3	choice8	165		88	7.4	43	25	14	41						42	49	84		
0	96	1	no	no	yes	choice2	choice8	146	6.8	92	7.4	36	23	13	44	15	30	32	91		77	86	79	5	
0	98	0	no	no	yes	choice3	choice6	93		160				15	45	40	29	33	90		85	89	87	1	
0	89	0	no	no	yes	choice3	choice9	96		138											38	31	59	0.8	
0	95	1	no	no	yes	choice3	choice9	114	7.6	149				14	44	15	29	32	89		68	79	87	2.6	
1	88	0	no	no	no	i	choice7				7.411	42.9	26.7	13.8	42.8	12.9	31.5	32.2	97.7	0	66	37	43.1		
0	88	0	no	yes	yes	i	choice8	91			7.389	43.1	25.5	12.7	40.9	15.4	27.7	31.2	88.8						

1	95	1	no	no	no	choice3	choice8		6.3	120				10.2		17.6	27.1	30.5	88.7		86	97	83.1	3.69
0	95	1	no	no	yes	choice3	choice9	343	14.2	19	7.413	31.6	19.7	11.1	35.7	15.2	26.5	31.1	85.4		54	56	77.9	7.08
0	94	1	no	no	yes	choice3	choice7	84		136				15.8	48.9	13.3	27.9	32.4	85.9		54	56	73	1.7
0	94	0	no	no	no	choice3	choice8			127				11.4	37.4	16.6	20.5	30.4	67.3		75.2	76.1	81.6	1.6
0	95	1	no	no	yes	choice3	iv		5.9	159				15.5			30.5	33	92.1		67	76	90.6	6.45
0	97	0	no	no	yes	choice3	choice9	92	5.1	116	7.42	34	21.4	17.2	51.4	13.3	29.7	33.4	89		87	92	84	2.75
0	98	1	no	yes	yes	choice3	choice6	118	4.5	85	7.385	26.9	16.2	10.3	31.9	16.6	30	32.2	93.2		45	48	68.5	1.4
0	95	1	no	no	yes	choice3	choice6	112		98				16.7	51.2	14	27.1	32.6	83.2		88	90	101	4.58
1	44	0	no	no	yes	choice2	choice7				7.412	51.1	33.5	15.8	48	14.8	29.4	30.2	96					0.49
0	95	1	no	no	yes	choice3	iv		5.8	137		33	2	13.8	47	12.8	33.7	32.1	104		66.4	59.6	72.6	3.13
0	97	1	no	no	yes	choice1	choice6	122	6.3	74	7.373	40.4	23	12.3	41.5	17	21.3	29.6	72.1		86	99	86.5	4.51
0	94	1	no	yes	yes	choice3	choice6	114	7	68	7.446	35.5	25	12.5	43.7						52.5	51.9	77.4	2.303
0	95	1	no	no	yes	choice3	iv	100		95	7.3	40	24.1	14.7	44.9	14.6	28.6	32.8	87.4		66	70	79.6	9.88
0	95	0	no	no	yes	choice1	choice7	597	9.1					12.4	39	15.1	27	31.6	85.4		59	46	62.7	
0	90	0	no	yes	yes	choice3	iv				7.375	58.3	37.7	9	45.1	19	24.7	30.8	80.8					
0	96	0	yes	no	yes	choice3	choice8			95				9.1			20.68	30.85	67		71	85	82	3.76
0	94	0	yes	no	yes	choice3	iv				7.4	42.4	27.9	13.2	40									
0	98	0	no	no	yes	choice2	choice8	116	23.5	147				16.7		17								2066
0	95	0	no	no	yes	choice3	iv	170	9	161				12.1	38	17	27	31.5	86					2.27
0	97	0	no	no	yes	choice3	iv	90	6.5	78				13.9	46	17	26	29	89					14.4
0	97	0	no	no	yes	choice2	choice9	87		170				9.5	28	15	27	33	82					
0	97	0	no	no	yes	i	choice7	110		25	7.4	29	20	16.3	49	12.5	31.2	33.3	93.9					2.18
0	95	0	no	no	yes	choice3	iv	152		133	7.3	37	20.9	15.2	44.8	13.1	27.6	32.4	85.2					1.72
0	98	0	no	no	no	choice3	choice6	96	6.2	83	7.425	27.4	18.1	11.6	35									1.65
0	97	0	yes	no	yes	choice3	choice9			136	7.4	31.9	20.7	13.1	39		24	32.2	74.6					0.03
0	96	0	no	no	yes	choice2	choice8	102		77	7.4	34	23											1.31
1	94	1	no	yes	yes	choice3	choice6	118	5.8	84				11.2	34.1	17	33	32	102	991	53	48	72.6	3.3
0	93	1	no	no	yes	choice3	choice6	118	6.5	52				14.7		12.8	29	35	82		79	92	76.1	1.62
0	96	0	no	no	no	choice3	choice6	81	5.4	163	7.387	40.4	23.7	16.3	46.7	10.8	29.9	34.9	85.5					2.3
0	97	1	no	no	yes	choice3	choice6	166	6.9	119	7.52	41	34	13.2	38	13.8	27	34	78		87	102	84	3.58
0	95	1	no	no	yes	choice3	choice6	113	6.8	36	7.4	41	24	14.2		11.9	29.9	33	88		58	66	86	1.57
0	97	0	no	no	no	choice2	choice6	148	7.8	162.2				11.9	36.3	15.4	27.7	32.8	84.3					
0	96	0	no	no	no	choice3	choice6	98	6	121				13.6	43.5	12.5	28.8	31.3	92.2		91	106	79.4	1.42
1	96	0	yes	no	yes	choice2	choice9	144	6					10.6	32		25.2	33.1	76		1.35	1.11	82.9	0.61
0	97	0	yes	no	yes	choice3	choice9	92						10.2	32.7	15.9	23.8	31.2	76.2					
0	93	0	no	no	no	i	choice6	144	6.56	96	7.5	42	34.8	10.8	33	14	26	31.9	83.5					2
0	98	1	yes	no	no	choice2	choice9	103		108	7.4	35	23	14	38		27	32	83.9					3.17
0	76	0	no	no	yes	i	choice8	159		113						13.5	25.81	30.19						
0	98	1	no	no	no	choice2	choice6	100	5.6	131				15	46	12	29	33	88					2
1	96	1	no	no	no	choice2	choice8	109		127	7.4	38	25	17	48	12	29	35	83		4.58	3.88	84.7	
0	94	0	no	no	yes	choice1	choice7	176	8.3	62	7.4	37.1	23.3	11.7	37.6	17.5	27.9	31.1	89.7					2.02
1	95	0	no	no	no	choice3	choice8	109			7.425	42.9	24.2	10.5	35.4	14.6	28.3	32.8	86.2					
0	63	0	yes	yes	no	choice3	choice7																	
0	90	0	no	no	yes	choice2	choice8		6.5															59.95

181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206
update_RLS_score	update_STOPBANG	update_Sleepclinic	create_case_name	psg_done_or_not	psg_form_date	level_of_psg	type_of_psg	total_sleep_time	sleep_efficiency	sleep_onset	rem_latency_from_	n1	n2	n3	rem	tst_apnea	tst_hypopnea	tst_in_apnea_hypo	rem_index_apnea	rem_indexhypopne	remahi	nrem_ahi	ahi	sleeping_position_	supine_ahi
			1	yes	2015-06-24	i	split	234.5	53.5	1.8	0	21.3	64.8	13.9	0	32	53.7	85.7	0	0	0	85.7	85.7	supine lateral	88.2
			7	yes	2017-10-07	i	split	402	72.9	0.2	11.5	23.3	68.8	0	8	5	5.3	10.3	3.8	0	3.8	16.5	15.5	lateral	50.4
			8	yes	2015-07-16	i	split	15	8.9	2	151.4	30	3.3	0	66.7	8.8	42.6	51.4	18	66	84	72	80	lateral	51.7
			11	yes	2015-07-23	i	diagnostic	501.5	78.8	79	73.5	11	72.2	0	16.8	11.9	4.4	16.3	35.5	5.7	41.2	36.1	37	supine	42.5
			13	yes	2015-07-27	i	diagnostic	387.5	88.8	2	160	8.4	54.1	28.8	8.8	3.6	7.3	10.9	37.1	38.8	75.9	20.7	25.5	supine	25.2
			16	yes	2015-07-30	i	split	252.5	82.8	16.5	145	19.8	61.4	17.6	1.2	0	17.8	17.8	0	0	0	22.4	22.1	supine lateral	20.3
3			20																						
1			27																						
			28	yes	2016-05-17	i	split	118	87.9	4.5		8.1	91.1	0.8	0	39.5	15.1	54.6	0	0	0	101.7	101.7	supine lateral	97.7
			35																						
2			37	yes	2015-10-08	i	split	116.5	94.6	1.6	47.5	14.6	64.4	6.4	14.6	10.1	35.7	45.8	3.5	56.5	60	58.5	58.7	supine lateral	98.6
			38	yes	2015-10-19	i	split	110.5	75	17		32.6	67.4	0	0	48.8	2.8	51.6	0	0	0	106.4	106.4	supine lateral	92.5
			39	yes	2015-08-27	i	split	138	77.6	8.5	149	14.1	63	8.3	14.5	3.1	6.1	9.2	63	9	72	12.7	21.3	supine lateral	30
			41																						
			43	yes	2015-10-29	i	split	35.5	26.5	37.5		100	0	0	0	8.2	15.8	23.9	0	0	0	62.5	62.5	supine lateral	98
			56																						
			60	yes	2015-11-24	i	diagnostic	482.5	96.5	0	100.5	11.8	52.7	6.7	28.7	0.7	12	12.7	0.4	36.8	37.3	14.7	21.1	supine lateral	19.2
3			64																						
			65																						
			66																						
			68																						
			69																						
			73	yes	2016-01-18	i	split	134.5	96.9	0.5	127	4.8	86.2	3	5.9	60.4	2.3	62.7	75	0	75	87.7	87.7	supine	87.1
			78	yes	2016-02-01	i	split	19	92.7	0		0	100	0	0	44	7.1	51.1	0	0	0	132.6	132.6	supine	132.6
3			79																						
			80																						
3			82																						
			87																						
3			90	yes	2015-09-25	i	diagnostic	252	82.9	38.5	37	18.8	52.6	2	26.6	0.1	27.2	27.2	0	45.7	45.7	47	46.7	supine lateral	58.1
			91																						
			97	yes	2016-02-25	i	split	110.5	87.3	3.5		15.8	73.8	10.4	0	0	12.1	12.1	0	0	0	27.7	27.7	supine lateral	53.5
			98																						
3			100																						
			103	yes	2016-03-21	i	diagnostic	349.5	68.6	9	382.5	34.9	55.1	0	10	51.9	8.4	60.3	99.4	12	111.4	128	126.4	supine lateral pron	135.9
			112																						
			115																						
			116	yes	2016-03-21	i	split	95.5	56.7	59.5		56	44	0	0	65.4	0.8	66.2	0	0	0	69.1	69.1	supine	69.1
			118																						
			129	yes	2016-04-08	i	split	113	87	7		9.7	87.6	2.7	0	33.1	30.9	64	0	0	0	132.2	132.2	supine lateral	129.2
			139	yes	2016-04-25	i	split	112	86.5	6	78	7.1	65.2	0.4	27.2	0.3	26.4	26.7	0	45.2	45.2	37.5	39.6	supine lateral	89
			152	yes	2016-03-28	i	split	172	81.1	35		24.6	75.4	0	0	1.1	11.2	12.3	0	0	0	29.2	29.2	supine lateral	44.6
			160	yes	2016-03-12	i	split	123.5	96	3.5		4	83	13	0	6.2	38.8	45.1				94.3	94.3	supine lateral	104.3
1			164	yes	2016-05-28	i	split	79.5	82.8	4	43.5	3.1	42.8	17.6	36.5	0	12.8	12.8	0	4.1	4.1	35.6	24.2	supine lateral	68.6
			172	yes	2016-06-02	i	split	129.5	80.5	6		21.2	78.8	0	0	1.4	44.7	46.1	0	0	0	86.2	86.2	supine lateral	110.9
			174	yes	2016-06-11	i	diagnostic	314.5	73.8	1.8	265.5	9.7	62.8	0	27.5	0.2	13	13.3	2.1	9	11.1	32.6	26.7	supine lateral	81.8
			175	yes	2016-06-10	i	split	120.5	74.8	8.5		14.5	85.5	0	0	1.2	26.8	28	0	0	0	56.3	56.3	supine lateral	131.5
			176	yes	2016-06-10	i	diagnostic	319.5	78.2	2.3	73.5	8	63.7		28.3	0.2	2.5	2.8	1.3	14.6	15.9	3.4	6.9	supine lateral	8.2
			178	yes	2016-05-10	i	split	127.5	85	3.5	19	3.5	96.5	0	0	66.4	7.2	73.6	0	0	0	127.1	127.1	supine lateral	127.4
			180	yes	2016-06-16	i	split	145	88.4	4.5	109.5	7.2	79	0	13.8	0.3	12.1	12.4	6	69	75	16.8	24.8	supine lateral	39.6
			193	yes	2016-02-28	i	split	96	64.4	35.5	107.5	14.1	78.6	2.6	4.7	9.6	34.5	44.1	0	80	80	87.2	86.9	lateral	
2			195	yes	2016-01-11	i	split	118	72.5	7		38.6	45.3	16.1	0	0	20.7	20.7	0	0	0	36.1	36.1	supine lateral	55
			198	yes	2016-04-12	i	split	121.5	90	7	93	4.5	69.1	6.6	19.8	2.2	20	22.3	27.5	57.5	85	41.2	49.9	supine lateral	51.1
			202	yes	2016-02-16	i	split	122	89.2	9.5	64	20.9	73	0	6.1	50.9	7.2	58.1	88	0	88	98.5	97.9	supine lateral	120
3			210	yes	2022-02-19	i	split	117.7													0	117.7	117.7	supine	124.3
			212	yes	2016-06-02	i	split	206	81.5	1	66.5	9.7	84.2	0	6.1	2.8	16.8	19.6	57.6	28.8	86.4	33.2	36.4	lateral	81.9
			216	yes	2016-09-22	i	split	251	95.3	5	54.5	7.4	71.7	0	20.9	4.3	8.6	12.9	32	19.4	51.4	19.6	26.3	lateral	69.6
			221	yes	2016-03-01	i	split	95	93.4	0.1	37.5	5.3	51.6	13.7	29.5	45.6	7.8	53.5	70.7	0	70.7	89.6	84	supine	84.1
			229																						
2			236	yes	2016-03-29	i	diagnostic	500	97.6	8.5	134	5.3	65	0.8	28.9	51.4	16.2	67.7	27.8	49.4	77.2	75.6	76.1	supine	85.5
3			240	yes	2016-07-09	i	split	235.3	82.8	4.5	118	6.8	89.2	0	4	0.2	10.2	10.5	0	44.2	44.2	23.9	24.7	supine	24.8
3			248	yes	2015-05-13	i	split	132	12	17.4		14.4	78	7.6	0	0.2	3	18.8	0	0	0	57.7	57.7	lateral	120.7
			249	yes	2015-05-16	i	split	111.5	84.2	5	46	3.1	77.1	4.9	14.8	0.8	8.8	9.7	14.5	58.2	72.7	16.4	24.8	supine	24.8
			261	yes	2016-06-06	i	split	518.5	93.3	21	16.1	4.1	64.4	9	22.5	2	12.1	14	3.1	14.9	18	27.8	25.6	lateral	42.4
			263	yes	2016-11-19	i	split	135	85.8	8.5	94.5	18.5	68.5	6.7	6.3	19	14.8	33.9	77.6	14.1	91.8	61.7	64	supine	99.7
			265	yes	2022-02-19	i	diagnostic	388.5													10.5	14.1	13.6	lateral	85
3			273	yes	2016-07-08	i	split	172	65.6	12	10	22.1	72.4	0	5.5	5.7	5.7	19.3	25	18.9	31.6	50.5	46.7	supine	64.1
			276	yes	2016-07-29	i	split	146.5	79.6	24.5	102	6.1	67.2	12.3	14.3	20.9	14.9	35.8	54.3	22.9	77.1	61.7	64.7	lateral	120
			278	yes	2016-08-05	i	diagnostic	253	57.9	11.5	359.5	15	72.1	9.7	3.2	3.1	43.1	46.3	0	112.5	112.5	101.1	105.3	lateral	124.4

	279																					
	281	yes	2016-08-13	i	split	109	83.5	0	25.5	6.4	71.1	0.5	22	0.2	21.2	21.4	2.5	7.5	10	47.3	39.6	lateral	99.6
	283	yes	2016-08-19	i	split	156	55.2	39.5		11.2	78.2	10.6	0	3.9	23.6	27.5	0	0	0	62.7	63.5	lateral	120
	284	yes	2016-08-11	i	split	118	83.4	1.5		1.7	98.3	0	0	4.8	34.6	39.3	0	0	0	77.8	78.3	lateral	95.6
	285	yes	2022-02-19	i	diagnostic	232.5													55.2	32.5	35.9	supine	53.8
	286	yes	2016-08-19	i	diagnostic	404.5	75.9	35	44.5	3.5	70.2	2	24.4	0.2	8.6	8.9	0	35.9	35.9	11	17.2	lateral	23.2
	288	yes	2022-02-19	i	split	130.5													0	52	52.9	lateral	105.9
	291																					
	293	yes	2016-09-01	i	split	204	84.2	2.4	158.5	6.1	87.7	0	6.1	1.1	9.1	10.1	14.4	28.8	43.2	18.5	20.3	lateral	28.9
	294	yes	2016-09-09	i	split	130.5	94.2	1.5		5.7	94.3	0	0	6.6	18.4	25	0	0	0	54.7	55.2	supine	88.7
	295	yes	2022-02-19	i	diagnostic	492													78.1	96.4	93.8	lateral	85.3
	296																					
	299	yes	2016-09-24	i	diagnostic	273	70.4	0	301	9.2	79.9	0	11	7.1	13.7	20.9	54	46	100	46.9	52.7	supine	155
	300	yes	2016-09-30	i	split	136.5	75.8	6.5		14.3	85.7	0	0	69	0.9	69.9	0	0	0	105.1	108.6	supine	106.7
	302	yes	2016-10-01	i	split	132.5	91.8	0	8.5	9.8	84.2	0	6	4.5	26.7	31.2	0	90	90	60.7	62.7	supine	64.2
	304	yes	2016-08-23	i	split	115	89.5	9	82.5	2.6	57.4	30.4	9.6	0.4	11.6	11.9	0	43.6	43.6	21.9	24	supine	24
	307	yes	2016-10-13	i	split	116	69.4	10	125.5	19.8	76.7	0	3.4	7.5	12.7	20.2	60	0	60	47.7	48.6	lateral	138.5
	309	yes	2022-02-19	i	split	215													234	60	71.1	lateral	74.8
	314																					
	316	yes	2016-10-20	i	split	242.5	80.1	14.5	46.5	2.1	66.8	4.3	26.8	32	14	46	29.5	12.9	42.5	23.7	28.9	lateral	40
1	317	yes	2016-11-18	i	split	162	93.7	7.5		0.3	95.1	4.6	0	37.2	12.2	49.4	0	0	0	75.6	75.6	lateral	93.6
3	328	yes	2016-12-01	i	diagnostic	294	60.4	77	109.5	14.3	55.8	9.7	20.2	0.6	7.3	8	2	37.3	39.3	11.5	17.8	lateral	28.7
3	331	yes	2016-08-12	i	split	127	88.4	1.5	78.5	7.9	38.6	33.1	20.5	5.8	25.8	31.7	53.1	25.4	78.5	56.4	61.9	lateral	94.7
	332	yes	2016-12-29	i	diagnostic	415	88.9	2	162	10.5	65.8	8.7	15.1	45.2	8.3	53.5	83.5	9.6	93.1	104.3	105.1	supine	105.2
	334	yes	2016-12-29	i	split	122	64.6	9	108.5	16.7	44.9	20	18.4	6.2	21	27.2	50.7	21.3	72	49.2	53.9	lateral	77.8
3	336	yes	2017-07-21	i	split	144	86.8	13	127	16.7	70.1	0	13.2	25.6	26.4	52	41.1	44.2	85.3	105.1	102.9	lateral	118.3
	337	yes	2017-01-06	i	split	152.5	81.3	9.5	77.5	13.4	74.4	0	12.1	51.1	1.1	52.3	77.8	3.2	81.1	97.6	98.8	supine	97.7
	340	yes	2017-01-27	i	diagnostic	486	80.8	16	187	5.2	73.4	4.2	17.2	27.2	21.5	48.7	62.5	14.4	76.9	81.1	81.2	lateral	91.1
	348	yes	2017-02-17	i	split	132	82.1	5		11.4	87.5	1.1	0	22.2	11.7	33.9	0	0	0	49.5	49.5	lateral	72.9
2	349	yes	2017-02-23	i	split	106	46.6	4.5	170	29.7	43.9	0	26.4	7.9	18	25.9	10.7	17.1	27.9	54.6	47.5	lateral	88.2
1	352	yes	2021-04-01	i	split	148.5	74.4	29	145.5	18.9	63	4	14.1	1.8	23.5	25.3	22.9	68.6	91.4	48.5	54.5	lateral	76.9
3	359	yes	2018-12-26	i	diagnostic	471.5	96.6	3.5	402.5	13.7	66.9	14.1	5.3	64	0.8	64.8	62.4	4.8	67.2	77.8	78.4	supine	77.3
2	363	yes	2017-03-16	i	diagnostic	337	72.3	0.4	418.5	45.1	47.9	0.3	6.7	20.6	23	43.6	88	21.3	109.3	95.8	99.9	lateral	111.9
3	364	yes	2017-03-16	i	split	172	78.9	10.5	147	15.1	77.3	0	7.6	16.5	22.5	39	92.3	0	92.3	71.7	75.3	supine	67.9
3	371	yes	2017-03-28	i	diagnostic	446	94.4	9.5	84.5	12.3	62.3	0.2	25.1	0.4	9.9	10.4	2.1	11.3	13.4	23.7	21.5	lateral	50.1
	374	yes	2017-04-12	i	diagnostic	360.5	93.1	0	6	6.9	65.7	4.4	22.9	1.2	26.6	27.8	1.5	69.8	71.3	34.1	42.6	lateral	51.2
1	375	yes	2017-04-10	i	split	132	65.9	9	121	17.8	64	0	18.2	6.6	10.2	16.8	60	12.5	72.5	23.9	33.2	lateral	109.1
	378	yes	2017-04-25	i	split	107	65.9	6	108	9.3	65	23.8	1.9	42.2	17.9	60.1	30	60	90	148.6	149.2	supine	147.4
2	380	yes	2017-04-24	i	diagnostic	313	75.8	4	103	49.8	22	0	28.1	60.8	0.8	61.6	59.3	0.7	60	73.3	72.3	lateral	77.2
2	383	yes	2017-05-08	i	diagnostic	363.5	79.8	0	93	22.3	25.3	20.8	31.6	1.2	13.3	14.5	9.4	36.5	45.9	17.9	27.9	lateral	0
	384	yes	2017-04-18	i	split	127	85.2	8	104	4.3	78.7	6.7	10.2	45.2	14.6	59.8	55.4	0	55.4	90.5	87.9	lateral	82.1
	387	yes	2017-04-26	i	split	198	78	32.5	199.5	13.6	60.6	19.9	5.8	0.3	18.3	18.7	10.4	73	83.5	39.2	42.1	supine	42.1
3	388	yes	2017-04-24	i	split	136.5	60.5	16.5	145	46.5	52.7	0	0.7	2.5	20.2	22.6	60	0	60	62	62.9	lateral	0
	391	yes	2017-04-26	i	diagnostic	311.5	81.9	8.5	140.5	47.4	41.3	0	11.4	50	7.2	57.3	69.3	1.7	71	92.8	92.1	lateral	99.1
	394	yes	2017-05-02	i	split	57	90.3	0		12.3	10.5	0	77.2	13.2	14.5	27.7	32.7	15	47.7	23.1	42.1	lateral	
3	396	yes	2017-05-01	i	diagnostic	79	20.1	20		37.3	58.9	3.8	0	10.7	44.7	55.4	0	0	0	142.8	146.6	supine	146.6
	397	yes	2017-05-04	i	split	130.5	75.6	40.5	1.6	3.4	57.1	37.5	1.9	5.8	10.9	16.8	0	24	24	29.5	29.4	lateral	104.3
2	398	yes	2017-05-29	i	split	131.5	82.8	1	26.3	49.4	39.5	0	11	67.9	1.4	69.3	103.4	0	103.4	123.6	122.3	lateral	114.3
	403	yes	2017-05-22	i	split	137.5	80.6	7.5	49.5	7.3	34.9	32	25.8	9	13.2	22.2	52.4	23.7	76.1	38.2	48.4	lateral	0
3	405	yes	2018-10-17	i	diagnostic	327	87.9	0	5.5	48.1	40.2	0.5	11.3	59.5	8.6	68.1	51.9	0	51.9	115.7	110.1	lateral	103.6
3	406	yes	2017-05-29	i	split	97.5	58.7	24	81	43.6	34.4	20	2.1	8.8	23.1	31.9	0	90	90	57.2	59.7	lateral	102.6
	410	yes	2017-07-04	i	split	123	60.5	1.5	44.5	25.6	56.9	14.6	2.8	36.8	29.7	66.5	68.6	0	68.6	121	120.5	supine	120.5
	412	yes	2017-06-13	i	split	70	40	7		86.4	13.6	0	0	55.4	13.6	68.9	0	0	0	107.1	108.9	lateral	0
	413	yes	2017-07-10	i	split	130	92	2		25	64.6	10.4	0	33	24.2	57.2	0	0	0	114.5	116.3	lateral	124.6
	414	yes	2017-06-19	i	split	150	83.6	10	85	8.7	37	28.3	26	3.7	24.3	27.9	6.2	26.2	32.3	42.7	40	lateral	78.7
3	421	yes	2017-08-08	i	split	192	82.3	13.5		9.9	73.7	16.4	0	34.3	22.4	56.7	0	0	0	142.8	143.4	lateral	143.7
	423	yes	2017-07-08	i	split	24.5	16.4	11		36.7	63.3	0	0	0.7	37.2	37.9	0	0	0	85.7	85.7	lateral	0
	426	yes	2017-08-08	i	diagnostic	336	86	0.5	124	11	45.1	24.1	19.8	29.4	24.1	53.5	74.9	17.1	92	91.7	92.5	lateral	87.8
	435	yes	2017-08-11	i	split	136	61.3	0	168.5	15.1	43	30.1	11.8	9.4	39.3	48.6	60	71.3	131.3	131	132.4	lateral	73.3
	437	yes	2017-08-17	i	split	151	76.8	7.5	101.5	9.9	60.7	15.5	13.9	0.3	18	18.3	0	28.6	28.6	0.9	38.6	lateral	55.3
2	442	yes	2017-09-06	i	split	136	78.3	0	118	29	52.6	10.3	8.1	5.7	45.8	51.5	0	32.7	32.7	70.6	73.2	lateral	94.1
	445	yes	2017-09-19	i	diagnostic	370.5	69.9	5	366	26.6	45.3	15.1	13	48.6	13.9	62.5	61.3	6.3	67.5	103.8	100.9	supine	94
	446	yes	2017-09-19	i	diagnostic	432	87.3	2	239.5	11.8	44.6	26.9	16.8	50.4	8.8	59.1	59.6	1.7	61.2	97.3	91.5	lateral	82.4
3	448	yes	2017-09-14	i	split	136.2	100	0	2	0.7	6.6	52.6	40	1	38.9	39.9	4.4	30.8	35.2	58	48.9	lateral	
3	449	yes	2017-09-25	i	split	125	90	4.1		49.6	50.4	0	0	36.4	19.3	55.7	0	0	0	95.5	96	supine	100.7
3	451	yes	2017-10-03	i	split	120	52.9	4.5		26.3	67.5	6.3	0	27.9	26.5	54.4	0	0	0	129	129.5	lateral	126.9
	453	yes	2017-10-09	i	split	140	77.9	10		27.9	68.2	3.9	0	29.8	15.8	45.6	0	0	0	120	120.9	supine	120.9
	458																					
	459	yes	2017-10-25	i	split	127	80.9	6.5	131.5	14.6	52.4	21.7	11.4	22.2	34.7	56.9	82.8	33.1	115.9	130.7	129	supine	140.3
3	461	yes	2017-11-14	i	split	120.5	72.4	2.5	74.5	9.5	46.9	22	21.6	16.1	17.2	33.3	69.2	4.6	73.8	55.9	61.2	lateral	73.8
	465	yes	2017-12-18	i	split	117	33.8	97		25.2	74.8	0	0	0.6	32.9	33.5	0	0	0	72.3	74.9	lateral	92.3
	466	yes	2017-12-22	i	split	135	59.7	9.7		50.4	49.6	0	0	43.5	8.5	52	0	0	0	95.6	95.6	lateral	94.3
	469	yes	2018-01-23	i	split	80	47.6	24		75	25	0	0	58.8	6.5	65.3	0	0	0	84.8	96	lateral	99.3
3	470	yes	2018-02-19	i	split	113	57.4	6		42.2	51.8	0	0	3.6	37.2	40.8	0	0	0	103	107.3	supine	149.5
2	472	yes	2018-01-19	i	split	128	75.9	11		79.5	34.4	3.5	0	38	27.3	65.3	0	0	0	99.8	105	supine	109
	475	yes	2018-01-29	i	split	153	53.2	16	238.5	33.3	30.4	14.7	21.6	53.3	11.8	65.1	69.1	5.5	74.5	104.5	102.4	lateral	108

	484	yes	2018-02-27	i	split	143	74.2	1.5		39.5	59.1	1.4	0	0	20.8	20.8	0	0	0	46.2	46.2	lateral	80
3	489	yes	2018-03-06	i	diagnostic	220	58.6	49.5	38.5	31.1	33.6	0	35.2	6.5	24.7	31.2	0	17	17	67.8	51.8	lateral	48.5
	491	yes	2018-03-16	i	split	96.5	53.9	1.5		42	56	2.1	0	13.9	8.1	22	0	0	0	61.6	62.2	supine	62.4
	499	yes	2018-04-12	i	diagnostic	153	62	35	173	23.5	61.2	0.7	14.7	0.4	16.1	16.6	2.7	13.3	16	33.9	34.4	lateral	92.3
	500	yes	2018-06-05	i	diagnostic	128	66.3	30.5	5	7.4	31.3	0	61.3	5.6	21.2	26.8	11.5	29.8	41.3	46.1	43.1	supine	55.4
	504	yes	2018-05-14	i	diagnostic	327	66.6	0	152	16.6	70.4	0	13	5.2	5.5	10.7	35.8	10.7	46.6	15.7	20	lateral	27.3
2	506	yes	2018-05-22	i	diagnostic	359.5	87.9	13	122.5	22.4	60.8	2.6	14.2	68.8	3.1	71.9	90.6	5.9	96.5	134.6	131	supine	136
	507	yes	2018-05-22	i	split	137	93	3	119	7.3	60.3	15.7	16.8	5.9	12	17.9	49.6	47	96.5	33	43.7	lateral	69.1
	516	yes	2018-06-18	i	split	134	79.9	4.5	0	21.6	72.6	5.6	0	50.2	2096	7.08	0	0	0	120.4	124.5	supine	117.8
	519	yes	2018-06-18	i	split	137	65.6	9	97	19.3	62.2	4.4	14.2	52	17	69	55.4	18.5	73.8	141.9	136.1	supine	131
	523	yes	2018-07-02	i	split	139.5	84.6	8.5	52.5	9	69.5	18.3	3.2	4.8	12.2	17	40	26.7	66.7	32.9	34.4	lateral	0
	525	yes	2018-07-09	i	diagnostic	263.5	45.2	41.5	335.5	13.3	56.4	9.7	20.7	4.8	21.9	26.7	2.2	38.5	40.7	49.4	49.9	lateral	87.6
	526	yes	2018-10-04	i	diagnostic	376	85.2	12.5	53.5	10.2	45.7	20.1	23.9	6.2	12.8	19	23.3	18	62	31.3	34.6	lateral	86.6
	527																						
	529	yes	2018-07-23	i	split	135	94.4	5.5	2.5	11.9	76.7	0.4	11.1	16.2	11.1	27.2	20	28	48	39.5	40.4	lateral	90.5
	530	yes	2018-07-20	i	split	137	97.6	0	33	2.2	76.3	5.5	16.1	65.3	4.8	70.1	65.5	0	65.5	79.3	77.5	supine	77.5
	533																						
	538	yes	2018-08-10	i	diagnostic	361.5	65.3	21.5	59.5	11.2	24.9	34.2	29.7	0.5	2.9	3.4	1.7	2.8	4.5	8.3	7.6	lateral	0
	539	yes	2019-08-19	i	diagnostic	283	60	3.5	99.5	19.1	58	9.2	13.8	5.2	21	26.2	23.1	52.3	75.4	45.7	52.4	supine	81.1
	541	yes	2018-08-29	i	split	214	94.9	5.5	123	11	71.3	11.7	6.1	31.4	11.3	42.7	69.2	27.7	96.9	83.6	85.8	supine	107.9
3	546	yes	2018-09-07	i	split	204	69	54	10	20.8	50.9	15.2	13.2	2.1	23.1	25.2	0	13.3	13.3	44.5	40.5	lateral	74.3
	549	yes	2018-09-19	i	diagnostic	400	89.8	0.5	65	34.3	39	2	24.7	50.3	13.4	63.7	65.2	3	68.2	85.7	82.9	supine lateral	78.4
	552	yes	2018-10-15	i	diagnostic	175.5	42.7	108.5	0	23.1	57	19.9	0	1	67.6	68.5	0	0	0	0	61.9	lateral	0
	553	yes	2018-12-17	i	split	124.5	88.1	9	86	9.6	57.8	26.9	5.6	6.4	26.6	34.6	4	5	77.1	44.4	46.3	lateral	135
	558	yes	2018-10-31	i	diagnostic	402	88.7	22.5	86.5	5.3	67	6.6	21.1	21	23	44	14.8	16.2	31.1	15.1	18.8	supine lateral	16.1
	560	yes	2018-11-16	i	diagnostic	305	67.4	5.5	297	31.8	50.3	0	17.9	14.1	12.6	26.8	46.2	29.7	76	44.1	52.7	supine lateral	131
	563	yes	2018-12-04	i	diagnostic	391	87.5	5	230.5	7.2	66.1	17.5	9.2	70.3	0.9	71.2	39	0	39	88.9	87.6	supine lateral	90.6
	566	yes	2018-12-11	i	diagnostic	402	96.2	1.5	156	3.5	41	40	15.4	198.7	51	249.7	56.1	10.6	66.8	88.4	85.4	supine lateral	81.1
2	568	yes	2018-12-07	i	split	126	91	0	98.5	49.4	32.4	0	18.2	72	1.5	73.5	80.9	0	80.9	100.9	98.7	lateral	180
	576	yes	2019-01-22	i	split	137	80.5	12.5	78.5	13.5	68.2	9.1	6.1	1.1	25.1	26.2	0	72	72	49.6	52.6	supine lateral	87.8
	577	yes	2019-01-07	i	split	139.5	48.2	16	188	40.1	34.4	2.5	22.9	24.6	23.9	48.5	48.8	13.1	61.9	55.8	60.2	lateral	100
	585	yes	2019-02-04	i	split	137	83.3	1.5	130.5	21.9	52.6	4.7	20.8	62.4	3.8	66.2	67.4	0	67.4	106.2	98.1	lateral	46.7
	587	yes	2019-01-28	i	split	234	84	20	232	16.2	42.9	29.6	11.3	0.4	15.7	16.1	2.3	63.4	65.7	17.3	24.1	supine	34.1
	594	yes	2019-02-04	i	split	135	54	38	0	24.4	53.1	22.5	0	17.1	14.5	31.5	0	0	0	68.2	69.5	lateral	96
	595	yes	2019-02-13	i	split	178	88	1.5	0	41	44.1	14.9	0	1	31.3	32.3	0	0	0	48.5	48.9	supine	62.5
	596	yes	2019-02-17	i	split	167	94	0	0	40.9	51.6	7.5	0	52	12	64	0	0	0	82	82	supine	82
	597	yes	2019-03-08	i	split	123	71	20.5	0	29.1	47	23.9	0	4.6	27.6	32.2	0	0	0	69.5	71.9	supine lateral	102.6
	603	yes	2019-02-12	i	split	166	84.6	12.5	162	28.3	40.1	19.9	11.7	3.1	17.4	20.5	49.2	40	89	31.9	39	lateral	73
	606	yes	2019-02-25	i	diagnostic	498	92	5.5	463	14.5	64.7	13.2	7.5	74.3	0	74.3	53.1	1.7	54.9	93	91	supine	93.6
	608	yes	2019-02-21	i	split	145	83	5.5	91.5	14.5	58.6	16.2	10.7	1.6	25.1	26.7	0	31	31	45.4	43.9	supine lateral	59.2
	611																						
	612	yes	2019-04-01	i	split	178	72	18	73.5	15.7	59	11.8	13.4	4.4	33.4	37.8	22.5	35	57.5	57.5	58.2	lateral	93
	615	yes	2019-03-07	i	split	129	94	5.5	58	24.8	67.4	0.8	7	41.4	24.5	65.9	60	13.3	73.3	98	97.2	lateral	120
	618	yes	2019-03-28	i	diagnostic	256	53.6	14.5	316	39	43	0	17.2	61	6.1	67.4	65.5	4.1	69	90.9	88.9	supine lateral	95
	619	yes	2019-03-25	i	split	148	88	10	126	46	45.8	0	8.1	18.5	18	36.5	60	5	65	54	56.6	lateral	88.2
	623	yes	2019-03-26	i	diagnostic	419	91	12	122	11.6	51.4	19.8	17.3	0	7.9	7.9	0	8.3	8.3	13.8	13.4	supine lateral	16.7
	624	yes	2019-04-09	i	diagnostic	323	82.7	3	141	27	56.5	1.9	14.6	4.5	52.2	56.8	29.4	47	76.6	88.5	87.5	supine	93
2	626	yes	2019-04-03	i	diagnostic	423	93	1.5	116	21	66	0	11.8	55	11.5	66.6	70.8	6	76.8	86.4	85	supine	86
	627	yes	2019-04-04	i	split	146	84	18.5	82	17.4	33.5	40.9	8.2	1.9	24.4	26.4	10.4	57.4	67.8	38	41	lateral	119
	637	yes	2019-05-06	i	diagnostic	409	96	0.5	78	16	62	1.5	19.5	4.1	17.2	21.3	9	42	51	37	39.9	supine	45
	644	yes	2019-05-24	i	diagnostic	233	53.4	22.5	267.5	31	61	1.7	5.8	6.8	23	30	0	22	22	44.8	47.4	supine lateral	98
	645	yes	2019-05-13	i	split	147	94	5	5.5	5.8	44.4	16.6	33.2	15.9	28.8	44.4	4.9	68.6	73.5	90.2	84.6	lateral	0
	647	yes	2019-05-30	i	diagnostic	190	40	26	354	61.7	23.1	3.1	12.1	32.7	15.1	47.9	62.6	13	75.7	80	82.5	supine	81
	657	yes	2019-06-18	i	diagnostic	466	88	17	85	19	57	4.7	18.9	58	11.7	69.8	77	17	94	132	125	supine	125
	659	yes	2019-06-20	i	split	123	76	16	134	29	46	19	4.9	7.2	53.4	60.6	70	0	70	90	90	lateral	0
	665	yes	2019-08-12	i	diagnostic	406	84	8	46.5	17	38	8	36	0.5	20	20.6	3.3	44.6	47.9	27.5	35.6	lateral	47
	669	yes	2019-07-22	i	diagnostic	165	91	4	134.5	23.3	48	10.6	18	0.5	19.1	19.7	0	22	22	45	40	supine	47
2	670	yes	2019-07-19	i	diagnostic	285	63	31.5	58.5	22.1	49.3	0	28.6	0.3	15.3	15.7	1.5	40.5	42	26.8	31.4	supine	30.8
	673	yes	2019-07-26	i	diagnostic	294	56	21	402	20.9	58.9	1.2	19	4.1	13.1	17.2	26	37	64	31	38	supine lateral	67
	674	yes	2019-07-26	i	diagnostic	353	78	34	45	14	67	0.1	18	18	14	33	70	250	96	69	74	supine	74
	677	yes	2019-08-05	i	diagnostic	327	70	8.5	98	22.9	72	0	5	3.2	10.9	14	7.3	32	40	25	28	lateral	43
	682	yes	2019-09-06	i	split	151	93	1	76	60	19	0	20.7	74.6	1	75.6	60	0	60	77.9	75.7	supine	73
2	687	yes	2019-09-05	i	split	123	49	24	0	50	49	0.4	0	0	18.6	18.6	0	0	0	36	37	lateral	28.8
	688	yes	2019-09-05	i	split	125	52.7	34		62.4	36	1.6		2.2	32.6	34.9				71.5	73.9	supine	90.9
	695	yes	2019-09-23	i	split	109.9	53	4	36.5	41.8	46.9	10.9	0.5	7.4	42	49.4	120		120	110.8	111.4	lateral	
2	696	yes	2019-09-27	i	split	134.5	78.3	7.5	90	32.3	52.8		14.9	3.1	32.4	35.5	3	30	33	48.7	49.5	lateral	115
	699	yes	2019-09-26	i	diagnostic	359.5	69.8	47	297.5	30.7	48.4	5	15.9	2.5	11.9	14.4	26.3	23.2	49.5	21.8	27.7	lateral	91.2
	700	yes	2019-09-28	i	diagnostic	266	58.8	33.5	219	38.3	41.5		20.1	6.4	23.3	29.7	2.2	32.5	34.8	71.2	66.1	lateral	122.6
	701	yes	2019-09-28	i	diagnostic	102	37.1	1	4.5	40.2	22.5		37.3		18.7	18.7		50.5	50.5	31.9	40.6	lateral	40
3	705																						
	706	yes	2019-10-21	i	split	173.5	85	1.5		78.4	21.6			60	1.3	61.3				68.1	70.2	supine	70.2
1	712	yes	2019-10-09	i	split	141	92.1	5	95.5	5.3	17	70.6	7.1	7.4	12.6	20	90	6	96	33.4	38.3	supine	57.6
3	713	yes	2019-11-08	i	split	145.5	72.6	15		32	59.5	8.6		0.7	32.1	32.8				61.9	63.5	lateral	96
	714	yes	2019-11-09	i	split	145	92.2	1	47	24.8	59.7	4.1	11.4	67.2	4.7	71.8	90.9	7.3	98.2	133.5	129.9	supine	129.7
	722	yes	2019-11-24	i	diagnostic	392.5	78.1	6	85	17	53	9.8	19.2	2	16	19	4	32	37	26	29	supine	33
	726	yes	2019-11-28	i	diagnostic	244	60	24	359	18	69	10	1	0	5	5	0	72	72	9	10	lateral	44

	728	yes	2019-12-17	i	split	145	51	37	215	31	40	11	17	58	7	66	52	14	67	126	118	lateral	83
2	738	yes	2019-12-15	i	diagnostic	437	94	0.4	73	23	50	0.2	26.8	5.6	19	24	37	38	76	33	45	lateral	65
2	739	yes	2020-01-06	i	diagnostic	338	74	22	264	57	40	0.3	1.9	6.8	30	37	36	55	92	62	64	lateral	88
2	743	yes	2019-12-29	i	diagnostic	370	76	3	175	32	42	8	16	2	17	19	0	28	28	38	38	lateral	72
	744	yes	2020-01-06	i	diagnostic	263	65	66	43	61	12	0.4	25	67	1	68	63	2	66	91	87	lateral	99
	753	yes	2020-01-09	i	split	185	77	15	200	37	32	23	6	16	10	26	105	0	105	40	44	supine	86
3	756																						
	757	yes	2020-01-21	i	split	128	88	12		37	62			48	4	53				87	87	supine	87
	758	yes	2020-01-09	i	diagnostic	348	82	2	139	9.3	53	20	16	1	13	14	8	43	51	29	33	lateral	48
1	760																						
	763	yes	2020-02-03	i	split	138	75	19		28	71	0	0	37	20	57				94	97	lateral	96
	767	yes	2020-02-18	i	split	70	54	1		22	24	53		0.3	33	33				55	57		
3	769																						
1	770	yes	2020-02-18	i	diagnostic	291	66	0	322	41	54	0.3	4	5	16	21	9	38	48	37	38	supine	38
3	774																						
	776																						
	782	yes	2020-10-13	i	split	165	43	25	281	22	65	3	8	0	16	16	0	8	8	33	32	supine	48
	792																						
2	793																						
3	794	yes	2021-01-17	i	diagnostic	207	45	34	380	17	37	30	15	4	27	32	32	23	56	50	52	lateral	0
2	796	yes	2021-01-18	i	split	294	90	15	275	11	60	18	9	0.1	7	7.2	4	28	33	8	11	supine	16
	799	yes	2021-02-11	i	split	169	72	12	94	13	64	11	10	0.1	18	18	0	33	33	34	34	lateral	72
	800	yes	2021-02-19	i	split	181	90	2	104	14	65	19	0.8	0	8	8	0	40	40	16	16	supine	18
3	803	yes	2021-02-26	i	split	200	59	9	165	24	50	22	3	1	20	22	0	20	20	43	44	lateral	62
	811	yes	2021-03-27	i	diagnostic	354	72	24	102	19	45	18	16	0.2	13	13.9	2	27	29	31	32	lateral	69
	814																						
	815																						
	820	yes	2021-07-07	i	split	113	71	19	91	13	52	15	18	21	34	56	55	5	61	77	75	lateral	105
	821																						
1	824	yes	2021-07-23	i	split	124	76	15	141	15	74	6	4	2	42	44	65	21	77	72	77	supine	77
	825																						
	832																						
	839																						
	840	yes	2021-08-18	i	split	98	68	14		17	60	21	0	0	24	24				38	39	lateral	43
	841																						
3	843	yes	2021-08-24	i	split	120	66	0.8	120	12	42	33	11	0.4	33	33.4	4.3	64	68	55	58	lateral	22
	844	yes	2021-08-24	i	split	124	73	1.3		22	52	24		1	18	20				37	38	lateral	80
	847																						
	850																						
	864	yes	2021-10-23	i	split	139	93	3	125	25	56	7	10	2	13	16	0	8	8	39	35	supine	61
	865																						
3	866																						
	870																						
	955																						

207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232
rt_ahi	lt_ahi	AHI_BackREM	respiratory_arousa	leg_movement_arc	snore_arousal_indi	spontaneous_arou	total_arousal_inde	plms_index	mean_o2	lowest_o2	t95	t90	t85	ODI	etco2	etco2__55_in_mini	etco2__50_in_mini	question1	sleep_hypoventilat	final_diagnosis	titration	titration_type	titration_goal_achi	mode_advised	question5
44.4	0	0	70.1	3.6	0.3	3.8	77.8	102.6	76	36	96	86.8	75.7		yes	21.3	47.3	44	yes	OHs with severe os	2016-06-25	split_night	adequate	bilevel_st	
20.3	8.1		5.5	8.8	0	8.5	22.8	61	98	79	2.7	0.6	0.2							Moderate OSA.					
81.8	71.6		19.3	6.8	0	12.5	38.6	64.7	95	74	31.3	10.4	3.8		no					SEVERE OSA					
0	12.5		4.3	8.1	0.2	2.8	15.4	221.6	100	86	0.3	0.2	0.1		no					CSA.					
24.4	13.1		8.1	5.7	0	7	20.8	18.3	96	76	10.4	0.9	0.3		no					CSA, REM Predominant OSA					
38.5	27.4		16.9	9.5	0.2	2.4	29	346.9	99	93	0.2				yes			37	no	moderate osa	2015-07-30	split_night	optimal	cpap	7
	110.1		74.7	0.5	2	2	79.3		93	72	45	22.6	11.8		yes		4.6	43	no	severe osa	2016-05-17	split_night	good	cpap	17
	49.8		40.2	5.7	0	3.6	49.4	138	97	92	2.8	0	0		no					severe osa plms	2015-10-08	split_night	optimal	cpap	9
110.1	132.8		7.6	4.3	0	2.2	14.1		95	85	42	3.6	0		no					severe osa	2015-10-19	split_night	adequate	cpap	11
	21.2		4.3	7.4	0	3	14.8		96	85					no					moderate osa rem	2015-08-27	split_night	adequate	cpap	7
49			8.5	3.4	0	1.7	13.5		98	93	0.7	0	0		no					severe osa	2015-10-29	split_night	adequate	cpap	14
21.6	25.7		3.6	4.7	0	5.7	14.1	3.4	98	92	0.6	0	0		no					moderate osa rem	2015-12-14	full_night_titration	optimal	cpap	8
			69.6	2.7	0	4.5	76.7		85	49	67.6	56.5	47.8		no					severe osa	2016-01-18	split_night	adequate	bilevel-s	
			110.5	0	6.3	3.2	120	34.7	95	87	49.8	5.4	0		no					severe osa	2016-02-01	split_night	optimal	cpap	17
	33.2		15.2	9.3	0	1	25.5		91	76	73.6	15.7	5.8		no					severe osa	2016-09-25	full_night_titration	optimal	cpap	8
22.4	18.2		14.1	6	10.3	23.9	54.3	14.9	95	87	47.1	0.9	0		yes		2.4	43	no	moderate osa	2016-02-25	split_night	adequate	cpap	6
121.3	125.9		80.5	3.8	0	2.2	86.5		84	37	99.7	81	37.9		yes	22	65	43	yes	Severe osa with OH	2016-03-22	full_night_titration	optimal	cpap bilevel_st	13
			64.1	5.7	0.6	1.3	71.6		96	77	20.5	2.4	0.5		no					severe osa	2016-03-21	split_night	optimal	bilevel-s	
134.3	126.6		70.1	3.2	1.1	1.1	75.4		92	69	65.8	20.8	3.5		yes			34	no	severe osa	2016-04-08	split_night	good	cpap	11
5	35.5		25.7	2.7	4.8	12.9	46.1	7	97	93	0.6	0	0		yes			38	no	severe osa	2016-04-26	full_night_titration	good	cpap	7
14.8	10.4	0	16.3	10.8	0	36.2	63.3	52.7	99	97	0	0	0		no					moderate osa supi	2016-03-28	full_night_titration	adequate	cpap autopap	8
90.9	91.1		71.9	7.8	2.4	6.8	88.9		98	90	2.3	0			yes		0.5	41	no	severe osa,plms	2016-04-19	full_night_titration	adequate	cpap	15
22.1			17.4	0.8	0.8	13.6	32.5		97	93	0.7	0			no					moderate osa	2016-05-28	split_night	optimal	cpap	7
	46.2		51.4	12.5	0.9	6.5	71.4		95	87	26.6	0.8	0		yes			38	no	severe osa	2016-06-02	split_night	optimal	cpap	9
24.2	31		22.5	6.9	0	4.8	34.1		99	95	0	0	0		yes			38	no	moderate osa	2016-06-11	split_night	titration_not_done		
51.5			35.4	14.4	5	3.5	58.3		96	89	3.2	0.5	0.5		no					severe osa position	2016-06-10	split_night	adequate	cpap	9
0									98	95	0	0	0		yes			41	no	mild osa rem predominant and positional					
123.4			115.3	2.8	0.5	0.9	119.5		87	61	70.2	53.1	37.1		yes			39	no	severe osa	2016-05-10	split_night	optimal	cpap	14
42.7	5.4		7.4	7	0	8.7	23.2		95	81	20.9	3.5	0.5		yes			40	no	moderate osa rem	2016-06-16	split_night	adequate	cpap	9
95.1	76.7		26.3	9.4	9.4	15	60		97	83	9.3	1.8	0.1		yes		0.2	37	no	severe osa	2016-02-28	split_night full_nigl	inadequate		
17.5	25.9		22.4	21.9	0	12.2	56.4	97.1	98	95	0	0	0		no					severe osa	2016-01-11	split_night	optimal	cpap	9
	48.6		9.9	11.9	1.5	5.4	28.6		95	82	30.9	1.3	0.1		yes			40	no	severe osa	2016-04-12	split_night	optimal	cpap	12
99.6	88.3		67.4	8.4	1	2	78.7	131	90	62	73.7	35.6	9.5		yes	19.6	43.9	42	yes	severe osa ,OHS RV	2016-02-16	split_night	good	cpap	16
96.6	0														yes	14.6	42	43	yes	srvere osa	2022-02-19	split_night	optimal	bilevel_st	
10.3	55.9		23.9	4.7	2.9	7	38.4		97	89	1.9	0	0		no					severe osa	2016-06-02	split_night	good	cpap	7
38.6	10.9	0	10.3	3.1	2.2	2.4	17.9	2.4	96	85	6.8	0.6	0		yes	0	3	42	no	moderate osa Rem	2016-08-22	split_night	good	cpap	9
78.3			19.6	2.5	4.4	7.6	34.1	7.8	87	35	59.8	40.4	28		no					severe osa	2016-03-01	split_night	good	cpap	14
66.1			63.6	1.2	0.1	0.2	65.2		85	39	80.7	55.7	41.4		no					severe osa	2016-04-02	full_night_titration	optimal	cpap	15
			11	4.8	0	13.5	29.3	3.3	96	90	6.9	0			no					moderate osa	2016-07-10	split_night	optimal	cpap	9
62.5			30.9	8.6	5.9	20.9	66.4		97	91	3.1	0	0							severe osa	2018-01-05	full_night_titration	adequate	cpap	13
0	26.3		8.1	4.3	9.7	19.4	41.4	0	98	93	1	0	0		no					Moderate osa Rem	2016-05-16	split_night	optimal	cpap	10
16.7	34		15	2.9	3.1	13.2	34.3	14	97	90	1.1	0	0		no					moderate osa					
	21.4	91.8	31.1	12	0.4	9.8	53.3	36.5	95	76	24.5	3.9	2.2		no					severe osa (supine	2016-11-19	split_night	adequate	cpap	11
33.6	39.5									87		0.2			yes	0	0	35	no	mild osa , positional					
29.7	0		30.7	1	3.1	11.5	46.4		97	90	1.4	0	0		yes	0	0	40	no	severe osa	2016-07-08	split_night	adequate	cpap	10
86.6	54.2	0	29.1	7.4	1.2	2.9	40.5		97	64	5.5	2.4	1.4		yes	0	0.6	39	no	severe osa	2016-07-29	split_night	adequate	cpap	12
90.4	90.3	0	46.5	14	2.4	20.4	83.2	81.9	93	73	71.4	7.3	0.9	0.3	yes	0	8.5	44	no	severe osa PLMS					

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41.6	49.3	0	36.1	6.3	1.3	19.3	62.9	16.4	94	90	73.6	0.1	0	yes	0	0	35	no	SEVERE OSA, PLMS	2018-02-27	split_night	adequate	cpap	10
77.3	30.4	51.4	38.2	12.8	0.3	6.3	57.5	28.9	95	87	48.3	0.3	0	yes	0	0	38	no	SEVERE OSA, NREM	Predominant OSA, PLMS.				
		0	16.2	0	0	7.5	23.6	5	99	96	0	0	0	yes	0	0	24	no	SEVERE OSA.	2018-03-20	full_night_titration	adequate	bilevel_st	
31.1	32.5	0	23.8	2	0	8.2	34	31.7	96	91	3.1	0	0	yes	0	0	37		SEVERE OSA, NREM	2018-04-12	split_night	adequate	cpap	7
27.8	15.5	49.5	7.5	1.4	0	3.8	12.7	108.8	94	85	60	1.6	0	yes	1.5	5.7	39		server OSA, PLMS	2018-06-05	split_night	good	cpap	16
20	17	38.4	8.8	1.6	1.6	6	18	1.9	96	71	27.3	1.4	0.5	yes	0	0.7	40		MODERATE OSA, REM PREDOMINANT OSA					
127	120	102	54.4	2	1.7	2.5	60.6	28.5	76	20	86.9	76	67.5	yes	149.4	193.2	48		SEVERE OSA, OHS,	2018-05-28	full_night_titration	optimal	bilevel_st	
45.3	23.4	0	4.4	1.7	0	1.3	7.4	10.9	93	70	72.5	2.9	0.8	yes	0	0	33		SEVERE OSA, REM	2018-05-22	split_night	adequate	cpap	12
118	134	0	58.9	1.8	0.4	3.1	64.2	28.2	93	78	51.6	24.1	4.3	yes	2.6	27.2	33	yes	SEVERE OSA, PLMS	2018-06-18	split_night	optimal	cpap	13
149	180	73.8	54.5	2.2	0	1.3	58	18.8	92	56	59.9	22.6	9.1	yes	0.8	11.8	43	yes	SEVERE OSA, PLMS	2018-06-18	split_night	good	cpap	13
33.4	36.1	0	14.6	0.9	0	3.4	18.9	127.7	98	94	0.2	0	0	yes	0	0	35		SEVERE OSA, REM	2018-07-02	split_night	adequate	cpap	8
39.3	123.3	0	10.7	0.7	0	1.1	12.5	14.1	96	83	27	1.5	0	yes	0	0	34		poor sleep efficien	2018-07-16	full_night_titration	titration_not_done	autopap	
10.9	74	0	18	3.4	0	8.9	30.3	76	97	83	3.4	0	0	17.1 yes	0	0	34		SEVERE OSA, PLMS	2018-10-31	full_night_titration	adequate	cpap	5
18.9	35.5	0	19.1	3.1	0.4	3.1	25.8	56.4	93	55	34.3	14.4	8.7	yes	0	0	38		Severe OSA, Supine	2018-08-08	full_night_titration	adequate	cpap	16
		65.5	21.5	2.2	0.4	3.5	27.6	42.5	93	75	54.7	11.3	2.4	yes	80.2	107.4	45	yes	Severe OSA, PLMS,	2018-07-20	split_night	adequate	bilevel_st	
511.9	0	0	4.5	8.3	7.6	4.5	8.3	7.6	94	88	55.5	0	0	yes	0.2	1.4	39	no	Mild OSA, PLMS					
32.7	53.5	0	13.4	3	0	4.2	20.6	31.2	90	61	88.5	42.1	9.8	51 yes	0	0	31	no	Severe OSA, PLMS	2018-08-10	split_night	adequate	bilevel_st	
39.3	50.7	0	19.3	3.1	0.8	6.4	29.7	28.3	96	87	15.9	0.4	0	63.4 yes	0	10.2	40	no	Severe OSA, PLMS,	2018-08-29	split_night	adequate	cpap	16
16.9	0	120	31.4	5.3	0	5.9	42.5	65.1	99	93	0.1	0	0	7.3 yes	0	0	41	no	Severe OSA, PLMS	2018-09-07	split_night	adequate	cpap	13
88.3	73.4	70.4	49.6	1.4	0	0.8	51.7	18.5	93	65	51.4	18.9	6.8	91.6 yes	0.5	51.2	41	yes	Severe OSA, Sleep	2018-10-08	full_night_titration	adequate	cpap	15
44.4	72.4	0	37.6	2.7	0	6.2	46.5	84.1	91	78	88.5	27.1	2.4	39.3 yes	0	0.1	38	yes	Severe OSA, PLMS	2018-10-26	split_night	adequate	bilevel-s	
34	58	0	7.2	1.9	0.5	1.4	11.1	64.6	96	75	12.7	1.6	0.8	28.4 yes	0	0	41	no	Severe OSA, PIMS	2018-12-17	split_night	adequate	cpap	14
20.1	60	18.8	11	1.6	0	7.2	19.8	34.3	96	91	9.6	0	0	3.4 yes	0	0	35	no	Moderate OSA, PLI	2018-11-02	full_night_titration	adequate	cpap	6
63.5	34	90.9	35.2	1.8	2.4	8.9	48.2	27	96	83	9.5	0.8	0.2	34.9 yes	0	0.2	41	no	Severe OSA, PLMS					
84.8	0	58.1	48.6	1.1	2.1	3.8	55.7	9.8	97	86	6.1	0.9	0	76.3 yes	1.7	3.6	39	no	Severe OSA	2018-12-13	full_night_titration	optimal	bilevel-s	
86.9	96.4	68.2	14.9	4.5	2.7	3	25.1	28.8	93	59	54.5	19.1	8.1	93.2 yes	52.8	172.1	43	yes	Severe OSA, PLMS,	2018-12-13	full_night_titration	optimal	cpap	16
92	105	0	81.1	0.5	0	0	81.6	17.1	91	72	43.4	24.2	7.2	113.9 yes	0	0	35	no	SEVERE OSA, PLMS	2018-12-07	split_night	good	cpap	14
29.2	0	0	9.2	0.9	0.4	7.4	18	21	80	54	98.5	96.5	85.7	57.6 yes	0	0	36	yes	SEVERE OSA, PLMS	2019-01-22	split_night	adequate	bilevel_st	
53.7	91.8	0	20.2	6	0.4	11.2	37.8	76.6	97	89	1.8	0	0	24.5 yes	0	0	37	no	SEVERE OSA, PLMS	2019-01-07	split_night	adequate	cpap	11
101.7	0	0	47.7	1.8	2.2	4.4	56.1	3.9	93	61	43.5	23.1	11.1	93.1 yes	0	13	39	yes	SEVERE OSA, SLEEF	2019-02-04	split_night	adequate	cpap	13
21.4	5.6	65.7	16.1	3.8	0	7.9	27.9	10	95	20	6.1	5.6	5.5	10 yes	1.7	2	42	no	MIDERATE OSA, RE	2019-01-28	split_night	adequate	autopap	
67	0	0	16.8	4.9	0.9	13.7	36.3	40.3	95	83	29	1.3	0.1	48.3 yes	0	0	33	no	SEVERE OSA, PLMS	2019-02-04	split_night	adequate	cpap	18
0	14.3	0	28.3	2.4	0	13.1	43.8	4.7	98	88	3	0.1	0	28 yes	0	0	30	no	SEVERE OSA, REM	2019-02-13	split_night	optimal	cpap	10
82	0	0	48	1.4	0.7	3.2	53.4	5.4	91	71	54.4	37.9	21	83.4 yes	0	0	35	yes	SEVERE OSA, SLEEF	2019-02-17	split_night	optimal	cpap	13
36.9	38.7	0	60.7	7.3	0.5	6.8	75.3	107	97	93	0.2	0	0	9.2 yes	0	0	36	no	SEVERE OSA, PLMS	2019-03-08	split_night	good	cpap	11
54	35	0	28.2	1.1	0	14.1	43.4	7.6	98	93	0.2	0	0	6.9 yes	0	0	36	no	SEVERE OSA, REM	2019-02-12	split_night	adequate	cpap	11
80.4	94.5	0	90	0.1	0	0.4	90.4	16.3	79	35	86	76	66.6	97.4 yes	0	37	37	yes	Severe OSA, OHS-1	2019-03-01	full_night_titration	good	cpap	19
28.7	41.6	60	19.4	9.9	0	3.3	32.7	184.6	91	82	94.9	17.4	0.9	34.8 yes	0	0	31	no	SEVERE OSA, PLMS	2019-02-21	split_night	adequate	cpap	15
39	61.4	0	29.2	3.7	0	3	36	103	96	85	10.7	1.7	0	45 yes	0	0.4	39	no	SEVERE OSA, PLMS	2019-04-01	split_night	adequate	cpap	11
105	85	0	49.3	0.9	2.8	2.8	55.8	8.8	94	7	50.3	14	2.6	88.9 yes	0	0.1	30	no	SEVERE OSA	2019-03-07	split_night	good	cpap	13
95	77	0	47.5	1.6	0	4	53	46	96	75	24	10.9	3.9	75 no					SEVERE OSA, PLMS	2019-04-03	full_night_titration	optimal	cpap	13
41	70.7	120	32.7	6.5	1.2	4.8	45	37	95	80	32.5	3.3	0.6	33.5 yes	0	0	0	no	SEVERE OSA, PLMS	2019-03-25	split_night	titration_not_done	autopap	
10.5	0	11.7	10.3	10.2	0	7.3	27.7	214	98	94	0	0	0	3.6 yes	0	0.2	41	no	MILD OSA, PLMS					
72	104	80	51	1.9	0.6	2.8	56.8	58	95	78	30.5	3.6	1.3	57 yes	5.6	34	41	no	SEVERE OSA, PLMS	2019-05-20	full_night_titration	adequate	bilevel_st	
102	69	71	49	1.6	1.8	1.1	54	5.4	91	60	60.4	34	19	85 yes	0.2	22.6	38	no	SEVERE OSA, OHS-	2019-04-11	full_night_titration	optimal	cpap	11
66	28	0	23.9	0	0	1.7	25.6	76	96	84	12.7	0.7	0	23 yes	0	0	37	no	SEVERE OSA, PLMS	2019-04-04	split_night	optimal	cpap	10
20	0	81.6	18.3	1.5	0.1	3.4	23.3	191	95	86	30.8	0.7	0	15.7 yes	4.3	16.7	41	no	SEVERE OSA, PLMS	2019-05-16	full_night_titration	good	bilevel_st	
33.9	90	0	35.5	3.6	0	6.7	45.8	115	97	87	4.9	0.3	0	17.8 yes	0	0	37	no	SEVERE OSA, PLMS	2019-05-28	full_night_titration	adequate	cpap	10
84.6	0	0	14.2	1.6	0	0	15.9	82	82	62	99	89	69	87.9 yes	2	15.8	38	yes	SEVERE OSA, PLMS	2019-05-13	split_night	adequate	cpap	14
111	86	75	55.4	2.5	0	1.9	59.8	155	96	82	17.7	2	0	71.2 yes	0	0.1	37	no	SEVERE OSA, PLMS	2019-06-03	full_night_titration	adequate	cpap	16
126	0	92	31.3	0.8	0.6	3.9	36.6	13.3	83	46	91.5	74	51	130 yes	132	227	47	yes	SEVERE OSA, OHS-	2019-07-05	full_night_titration	adequate	cpap	16
90	0	0	50	1	2.4	2.9	56	49	94	64	40	5.5	2.2	59 yes	8.5	37.6	45	yes	SEVERE OSA, PLMS	2019-06-20	split_night	adequate	cpap	13
34	29	69	12.1	4.4	0	3.1	19.7	58	93	65	71	5.1	1.1	32 yes	0	0	32	no	SEVERE OSA, PLMS	2019-08-13	full_night_titration	adequate	cpap	9
0	27	0	33.4	2.5	0	13.8	49.7	11.6	97	91	0.5	0	0	10.9 yes	0	0	35	no	SEVERE OSA, REM	2019-07-22	split_night	adequate	cpap	7
33	30	34.3	10.5	4.8	0	5.5	20.8	121	96	89	11.1	0	0	7.4 yes	0	0	30	no	SEVERE ISA, PLMS	2019-07-22	full_night_titration	optimal	cpap	10
28	49	0	21.4	9	0	6.7	37	152	96	87	17.5	0.3	0	15.7 yes	0	0.2	37	no	SEVERE OSA, PLMS	2019-07-30	full_night_titration	optimal	cpap	17
0	0	96	19	0.5	0	9	28.9	2.7	94	75	48	2.7	0.6	59 yes	0	0.1	33	no	SEVERE OSA	2019-09-17	full_night_titration	adequate	cpap	17
14	67	120	13.9	6.6	0	6.8	27	134	95	85	41.9	1.5	0	13.6 yes	0	0	32	no	MODERATE OSA, P	2019-09-03	full_night_titration	optimal	cpap	16
84	300	60	59	0	0.4	0	59.8	0	95	68	34.7	7	2.6	94 yes	0	4.6	33	no	SEVERE OSA	2019-09-06	split_night	adequate	cpap	16
38.9	0	0	28	5.3	1	1.5	36	215	97	92	1.3	0	0	10.7 yes	0	0	37	no	SEVERE OSA, PLMS	2019-09-05	split_night	optimal	cpap	13
48.4	55.7		36.5	4.3	0	12.5	53.3	41.3	95	90	19.6			44.6 no					Severe OSA,PLMS	2019-09-05	split_night	optimal	cpap	5
84.4	115.1		41.5	6		6.6	54	121.7	81	65	100	99.7	82	116.8 yes	109.8	200.1	53	yes	SEVERE OSA,PLMS,	2019-09-23	split_night	adequate	bilevel_st	
43.1			21.9	2.2	0	1.3	25.4	55.3	96	90	8.5	0	0	30.3 yes	0	0	30	no	Severe OSA,PLMS	2019-09-27	split_night	adequate	cpap	9
14.2	6.9	89.7	17.7	17.2	1.2	6.2	42.2	137.5	97	89	0.8	0	0	11.7 yes	0	0	26	no	Moderate OSA,PLMS,REM and Supine predominant OSA					
39.1	53.6		16.7	11.5	0.5	4.7	33.4	155.6	91	83	93	29.9	0.8	67 yes	0	0	21	no	Severe OSA,PLMS					
40.5	41.3	0	14.1	13.5	0	7.1	34.7	42.9	86	73	100	96	28.6	52.4 yes	0	0.8	38	no	Severe OSA,PLMS	2019-12-02	full_night_titration	good	cpap	14
			61.2	4.1	0.3	1.4	67.1	72.3	97	84	15.9	1.8	0	67.1 yes	0	0	37	no	Severe OSA,PLMS,I	2019-10-21	split_night	adequate	cpap	18
	8.6	96	5.1	0.9	0	0.4	6.4	152.8	96	81	12.1	3.2	0.6	32.8 yes	0	0	39	no	Severe OSA,PLMS,I	2019-11-09	split_night	optimal	cpap	7
41.1	60		19.8	5.4	0	1.2	26.4	193.8	88	68	96.3	75	89.8	79.6 yes	96.1	170.2	54	yes	Severe OSA,PLMS,(	2019-11-08	split_night	adequate	cpap	9
	131.8	98.2	36.8	0.4	0	2.9	40.1	1.7	79	43	75.4	66.6	59.9	147.1 yes	9.1	19	36	yes	Severe OSA,Sleep r	2019-11-09	split_night	adequate	bilevel_st	
18	0	40	10	1	0	2	14	15.7	92	76	85	10	1.6	16 yes	0	3	37	no	Moderate OSA,COI	2019-11-25	full_night_titration	adequate	cpap	13
6	50	0	7	8	0.5	8	24	150	91	83	99	12	0.1	6 yes	0	0	30	no	Mikd OSA,PLMS,RE	2019-12-02	full_night_titration	adequate	cpap	9

	122	66	41	1	0.4	0.8	44	70	94	24	33	12	6	117	yes	3.2	9.2	37	yes	Severe OSA,PLMS,S	2019-12-17	split_night	adequate	cpap	12
33	41	90	16	1	0.4	2.7	20.8	30	96	82	16	0.8	0.1	21	yes	0	0	34	no	Severe OSA,PLMS,I	2019-12-18	full_night_titration	optimal	cpap	12
86	41	0	32	5	0.2	5	44	70	96	84	11	1.1	0	44	yes	0	0	40	no	Severe OSA,PLMS	2020-01-10	full_night_titration	optimal	cpap	13
11	76	0	9	1	0.6	1	13	45	98	91	0.9	0	0	19	yes	4.8	13.1	43	yes	Severe OSA,PLMS,S	2019-12-30	full_night_titration	optimal	cpap	12
82		73	56	0.2	0.2	4.3	61	16	91	59	51	32	17	115	no					Severe OSA,Central sleep apnea					
33		105	22	1.9	0.3	9	34	24	97	78	10	2	0.6	36	yes	0	0	39	no	Severe OSA,PLMS,I	2020-01-09	split_night	adequate	cpap	11
			30	0.5	0.9	10	42	0	93	84	60	9	0.1	98	yes	0	0	35	no	Severe OSA	2020-01-21	split_night	optimal	cpap	10
30	11	105	9	4	0	3	17	198	86	76	99	98	15	36	no					Severe OSA,PLMS	2020-02-14	full_night_titration	adequate	cpap	11
97			41	1	1	2	46	10	89	60	65	44	27	145	yes	0	0.9	37	no	Severe OSA	2020-02-03	split_night	optimal	bilevel-s	
			6	7	1	6	22	83	90	80	92	42	10	55	yes	0	0.1	40	no	Severe OSA,PLMS	2020-02-18	split_night	adequate	cpap	15
0	0	48	24	2	0.2	8	36	5	96	90	9	0.1	0	19	yes	0	0	35	no	Severe OSA					
7	32	0	13	5	0	6	25	52	95	88	48	0.1	0	28	yes	0	0	32	no	Severe OSA,PLMS,I	2020-10-15	full_night_titration	optimal	cpap	6
51	53	0	15	5.8	0	7	28	51	90	45	69	23	11	82	no					Severe OSA	2021-01-18	full_night_titration	adequate	cpap	19
	4	33	4	1	1	7	14	0	97	93	0.1	0	0	9.4	no					Mild OSA,REM predominant OSA					
3	45	72	21	6	1	17	47	24	97	91	3	0	0	8	no					Severe OSA	2021-02-11	split_night	adequate	cpap	8
13		40	9	26	5	12	54	191	95	87	28	0.5	0.2	5	no					Moderate ISA,REM	2021-02-19	split_night	adequate	cpap	11
27	74	0	30	16	0.6	11	58	138	96	87	10	0.1	0	18.9	no					Severe OSA	2021-02-26	split_night	optimal	cpap	17
14	34	88	22	6	0	16	45	24	96	85	3	0.1	0	13	yes	0	0	39	no	Severe OSA					
76	69	0	30	4	1	9	46	73	90	56	60	29	18	65	yes	1	5	38	no	Severe OSA,PLMS					
0	0	87	38	12	1	3	56	98	91	48	66	30	7	94	yes	0	0	33	no	Severe OSA					
38	0	0	13	0	0	15	28	0	98	92	1	0	0	29	no					Severe OSA					
74	30	0	0.5	0	0	1	2	102	91	56	95	13	7	69	yes	0	5	39	no	Severe OSA,Positional OSA					
26	93	0	21	14	1	13	51	227	96	90	4	0	0	19	yes	0	0	38	no	Severe OSA,Positional OSA					
8	0	0	21	17	0	7	46	155	96	91	13	0	0	20	yes	0	0	12	no	Severe OSA,positional OSA,NREM predominant OSA					

233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259
ipap_if_bilevel_pa	epap_if_bilevel_pa	positional_therapy	reason_for_positio	supplemental_o2	question2	type_of_mask	size	full_face_mask	fu_sleep_clinic_nu mber	fu_PAP_prescrib ed_since	fu_date_of_follow up	fu_baseline_ mmrc	fu_todays _mmrc	fu_mortality	fu_in_case_of_de ath_date_of_deat h	fu_reason_of_dea th	fu_baseline_ohs_p resent	fu_baseline_ohs_g rading	fu_paco2	fu_hco3	fu_current_paco2	fu_current_hco3	fu_current_ohs_gr ading	fu_using_cpap	fu_using_since	fu_subjective__of _days_using
22	18	yes	did_not_settled_in	no		nasal	s		1	2016-07-01	2022-04-23	1	1	no			yes	iii	47.6	26.6	41.6	26.3	i	yes	2017-07-01	95
									7	2015-10-07	2022-04-20	1	1	no			no						ohs_not_applicable	yes	2015-10-20	99
									8	2015-07-16	2022-04-19			yes	2019-03-01	Heart failure	no						ohs_not_applicable	no	2025-01-01	
									11	2015-11-01	2022-04-22	1	1	no			no						ohs_not_applicable	no	2023-11-01	
									13	2015-03-09	2023-05-01	1	1	no			no						ohs_not_applicable	no	2025-01-01	
		no		no		nasal	xl		16	2015-07-30	2022-06-27	0	1	no			no						ohs_not_applicable	no	2025-01-01	
									20	2015-08-01	2022-04-25	1	1	no			no		35.9	21.3			ohs_not_applicable	no	2025-01-01	
									27	2015-08-09	2022-05-21	0	0	no			yes	i	39	24			ohs_not_applicable	no	2025-01-01	
		yes	others	no		nasal	xl		28	2016-05-17	2022-06-24	2	0	no			no		34	23			ohs_not_applicable	no	2025-01-01	
									35	2015-01-01	2022-04-20	1	1	no			no		38	23			ohs_not_applicable	no	2025-01-01	
		no		no		nasal	l		37	2015-10-08	2022-05-21	1	1	no			no		37	23			ohs_not_applicable	no	2023-01-01	
		no		no		nasal	xl		38	2015-10-19	2022-04-21	1	1	no			no		30	20			ohs_not_applicable	yes	2015-12-19	66
		yes	choice4	no		nasal	l		39	2018-08-27	2022-07-04	0	0	no			no		35.2	22.6			ohs_not_applicable	no	2025-01-01	
									41	2015-10-01	2022-05-21	0	0	no			no		41.8	24.2			ohs_not_applicable	no	2025-01-01	
		no		no		full_face		m	43	2015-10-29	2022-05-24	1	2	no			no		37.4	22.3			ohs_not_applicable	yes	2015-11-01	95
									56	2015-08-01	2022-05-14	1	1	no			no						ohs_not_applicable	yes	2015-08-01	100
		no		no		nasal	s		60	2015-12-14	2022-04-26	0	0	no			no		45.5	25.7			ohs_not_applicable	no	2023-01-01	
									64	2015-08-01	2022-04-26	0	0	no			no						ohs_not_applicable	no	2025-01-01	
									65	2015-08-25	2022-04-20			yes	2020-03-01	Heart failure	no		44.7	28			ohs_not_applicable	yes	2025-01-01	
									66	2015-08-11	2023-05-04	0	3	no			no						ohs_not_applicable	no	2025-01-01	
									68	2016-01-07	2023-05-06	1	3	no			no						ohs_not_applicable	no	2025-01-01	
									69	2016-08-01	2022-04-23	1	1	no			no		35.4	20.6			ohs_not_applicable	yes	2020-01-01	50
21	17	yes	choice5	no		full_face		m	73	2016-01-18	2023-05-23	4	3	no			no		36.9	24			ohs_not_applicable	yes	2017-01-25	100
		no		no		nasal	l		78	2016-01-18	2022-05-28	0	0	no			no		41	24			ohs_not_applicable	no	2025-01-01	
									79	2015-09-01	2022-04-22	0	0	no			no		39.5	23.2			ohs_not_applicable	yes	2015-10-01	80
									80	2016-09-01	2022-04-25	0	0	no			no		38.5	21.4			ohs_not_applicable	no	2025-01-01	
									82	2016-01-19	2023-05-06	0	0	no			no						ohs_not_applicable	no	2025-01-01	
									87	2016-02-05	2022-12-27	0	3	no			no						ohs_not_applicable	no	2025-01-01	
		no		no		nasal	l		90	2015-09-24	2022-04-21			yes	2016-01-01	Heart failure	no						ohs_not_applicable	yes	2025-01-01	
									91	2015-09-18	2022-04-21			yes	2020-01-01	Myocardial infarcti	no		35.6	29.4			ohs_not_applicable	yes	2025-01-01	
		no		no		nasal	s		97	2016-02-01	2022-04-25	1	1	no			no		38.8	24.1			ohs_not_applicable	no	2025-01-01	
									98	2016-02-26	2022-04-26	0	0	no			no		35.8	20.5			ohs_not_applicable	no	2023-01-01	
									100	2015-09-01	2022-09-09	0	0	no			no						ohs_not_applicable	yes	2015-10-01	100
17	13	no		yes		1 full_face		m	103	2016-03-22	2023-02-01	3	4	no			yes	i	41.8	25.7			ohs_not_applicable	no	2025-01-01	
									112	2015-10-06	2023-05-26	0	0	no			no						ohs_not_applicable	no	2025-01-01	
									115	2016-03-01	2022-04-21			yes	2017-01-03	Drowning in river	no						ohs_not_applicable	no	2025-01-01	
12	8	no		no		nasal	s		116	2016-03-01	2022-05-10	0	0	no			no		35	21			ohs_not_applicable	yes	2016-05-01	15
									118	2025-01-01	2022-05-10	3	3	no			no		35.6	23.7			ohs_not_applicable	no	2025-01-01	
		yes	choice5	no		nasal	l		129	2016-08-01	2022-05-10	1	1	no			no						ohs_not_applicable	yes	2016-11-01	85
		no		no		nasal	xl		139	2016-04-26	2022-05-11	0	0	no			no		39.3	24.6			ohs_not_applicable	yes	2016-05-01	50
		no		no		nasal	s		152	2016-03-01	2021-04-29	0	1	no			no		35.5	22.6			ohs_not_applicable	yes	2016-03-01	70
		yes	did_not_settled_in	no		full_face		m	160	2016-04-19	2022-07-16	2	2	no			no		37.6	22.7			ohs_not_applicable	no	2025-01-01	
		no		no		nasal	l		164	2016-05-01	2022-04-26	0	0	no			no		37.8	22.7			ohs_not_applicable	yes	2016-05-15	70
		no		no		nasal	l		172	2016-02-06	2022-04-26	2	2	no			no		28.4	21			ohs_not_applicable	yes	2016-02-06	60
		no		no					174	2016-06-11	2022-05-23	2	2	no			no		27.4	19.5			ohs_not_applicable	no	2025-01-01	
		yes	supine_rem_not_a	no		nasal	s		175	2016-10-01	2022-05-09	2	2	no			no		37.6	24			ohs_not_applicable	no	2025-01-01	
									176	2016-10-06	2022-05-26	0	0	no			no		31.9	21.1			ohs_not_applicable	no	2025-01-01	
		no		no		nasal	s		178	2016-10-01	2022-04-27	0	0	no			no		40.3	23.7			ohs_not_applicable	yes	2016-12-01	50
		yes		no		nasal	copy-1-of-s		180	2016-06-16	2022-04-27	2	2	no			no		40.5	23.1			ohs_not_applicable	no	2025-01-01	
				no					193	2016-02-05	2022-06-28	0	3	no			no		37.5	21.4			ohs_not_applicable	no	2025-01-01	
		no		no		nasal	s		195	2016-01-11	2022-07-01	0	0	no			no		44	24.5			ohs_not_applicable	no	2025-01-01	
		no		no		nasal	s		198	2016-12-04	2022-05-23	0	1	no			no		38.3	22.2			ohs_not_applicable	no	2025-01-01	
		no		no		nasal	l		202	2016-02-16	2022-06-23	1	1	no			no		38	23			ohs_not_applicable	yes	2016-02-20	100
21	15	no		no					210	2016-02-15	2022-04-25			yes	2018-03-15	Heart failure	yes	iv	48.7	28.7			ohs_not_applicable	yes	2025-01-01	
		no		no		nasal	l		212	2016-02-01	2022-04-27	2	2	no			no						ohs_not_applicable	yes	2016-02-01	85
		no		no		nasal	l		216	2016-10-22	2022-05-13	0	0	no			no		39.9	22.8			ohs_not_applicable	no	2025-01-01	
		no		no		nasal	s		221	2016-03-01	2022-05-26	2	2	no			no		38.8	21.9			ohs_not_applicable	yes	2016-09-01	50
									229	2016-09-16	2022-05-27	3	2	no			no		39.6	23			ohs_not_applicable	no	2016-09-17	
		no		no		nasal	l		236	2016-02-01	2022-04-28	1	1	no			yes	iv	46	26	40	26.4	ohs_not_applicable	yes	2016-02-15	100
		no		no		nasal	l		240	2016-07-09	2022-04-26			yes	2019-01-01	Heart failure	no						ohs_not_applicable	no	2025-01-01	
		no		no		nasal	l		248	2016-05-13	2022-04-30	2	3	no			no		37.1	24			ohs_not_applicable	yes	2016-05-01	100
		no		no		nasal	xl		249	2016-05-16	2022-04-30	1	1	no			no		29.6	17.6			ohs_not_applicable	no	2025-01-01	
									261	2016-06-06	2022-04-27	1	1	no			no		37.9	23.4			ohs_not_applicable	no	2025-01-01	
		no		no		nasal	s		263	2016-11-19	2022-06-27	1	2	no			no		42.9	26.4			ohs_not_applicable	no	2025-01-01	
									265	2016-10-01	2022-04-28	0	0	no			no		35.4	21.9			ohs_not_applicable	no	2025-01-01	
		yes	choice4	no		nasal	xl		273	2016-08-07	2022-06-02	0	1	no			no		44.5	26.5			ohs_not_applicable	no	2025-01-01	
		yes	choice4	no		nasal	s		276	2016-07-29	2022-05-09	2	2	no			no		39.8	24.1			ohs_not_applicable	no	2025-01-01	
									278	2017-07-10	2022-04-29	3	3	no			yes	iv	45.3	26.9	37.4	23.6	ohs_not_applicable	yes	2017-07-14	100

		no		no	nasal	l		279	2016-08-05	2022-05-11	4	3	no				no		40.9	24.7			ohs_not_applicable	yes	2016-08-15	40
8	4	yes	others	no	full_face			281	2016-08-13	2022-05-11	2	2	no				no		42.1	22.2			ohs_not_applicable	no	2025-01-01	
		no		no	nasal	l		283	2016-08-01	2022-04-28	0	0	no				no		38.6	22.1			ohs_not_applicable	no	2025-01-01	
					full_face		m	284	2016-08-11	2022-04-27			yes	2020-04-04	COVID 19		no						ohs_not_applicable	no	2025-01-01	
		yes	others	no	nasal	s		285	2016-08-01	2022-04-29	0	0	no				no		34.2	20.7			ohs_not_applicable	no	2025-01-01	
		no		no	nasal	s		286	2016-09-01	2022-04-28	0	0	no				yes	i	37	22	35.4	23.4	ohs_not_applicable	no	2025-01-01	
		no		no				288	2016-09-01	2022-06-23	0	0	no				no		32.9	19.6			ohs_not_applicable	yes	2016-09-23	90
		no		no	nasal	s		291	2016-08-02	2022-05-13	0	3	no				no		32.5	20.3			ohs_not_applicable	no	2025-01-01	
		no		no	nasal	l		293	2016-09-01	2023-05-10	3	3	no				no						ohs_not_applicable	no	2025-01-01	
		yes	choice4	no	nasal	s		294	2016-09-09	2022-04-30	0	0	no				no		33.5	19.9			ohs_not_applicable	no	2025-01-01	
25	15	yes	choice4	no	full_face		m	295	2016-09-16	2022-05-27	3	1	no				yes	i	38.6	22.7	35	22.8	no		2025-01-01	
								296	2016-09-12	2022-04-27			yes	2018-01-01	Heart and kidney failure									yes	2025-01-01	
								299	2016-09-24	2022-04-27			yes	2020-01-15	Respiratory failure	no			38.3	23.1			ohs_not_applicable		2025-01-01	
		yes	choice4	no	nasal	l		300	2017-01-01	2022-04-30	1	2	no				no		34.5	19.5			ohs_not_applicable	yes	2017-01-15	100
		no		no	nasal	s		302	2016-10-01	2022-04-28	0	1	no				no						ohs_not_applicable	no	2025-01-01	
		no		no	nasal	l		304	2016-09-23	2022-06-27	0	0	no				no		37.9	22.5			ohs_not_applicable	no	2025-01-01	
		no		no	nasal	l		307	2016-10-04	2023-05-10	0	0	no				no		41.9	22.8			ohs_not_applicable	yes	2023-01-01	100
								309	2016-09-29	2022-04-28			yes	2021-04-25	Cardiac arrest	no			37.5	22.2			ohs_not_applicable	yes	2025-01-01	
								314	2016-11-18	2022-04-28			yes	2020-08-11	COVID19	no			38.5	22.3			ohs_not_applicable	no	2025-01-01	
		no		no	nasal	s		316	2016-10-20	2022-04-28			yes	2019-03-15	Asthma exacerbati	no			42.9	25.1			ohs_not_applicable		2025-01-01	
14	10	yes	supine_rem_not_a	no	full_face		m	317	2016-11-18	2023-05-09	2	3	no				no		35.1	21.9			ohs_not_applicable	yes	2016-11-28	100
		no		no	nasal	l		328	2016-12-01	2022-05-13	2	2	no				no		41	21			ohs_not_applicable	no	2025-01-01	
		no		no	nasal	s		331	2016-08-01	2022-05-09	3	3	no				yes	i	33.7	22.2	32.2	21.3	ohs_not_applicable	yes	2016-08-01	99
13	8	no		no	nasal	l		332	2017-01-01	2022-05-09	0	0	no				no		38	23			ohs_not_applicable	no	2025-01-01	
		no		no				334	2016-12-29	2022-05-09	0	0	no				no		29.4	17.8			ohs_not_applicable	no	2025-01-01	
		yes	choice4	no	nasal	s		336	2017-07-21	2023-06-05	2	4	no				no		33.7	21			ohs_not_applicable	no	2025-01-01	
		yes	choice4	no	full_face		m	337	2017-01-06	2022-04-29			yes	2020-01-16	Cardiac arrest	no			38	24			ohs_not_applicable		2025-01-01	
		yes	choice4	no	nasal	xl		340	2017-02-04	2022-07-06	1	1	no				no		36		35.8	24.9	ohs_not_applicable	yes	2017-02-10	99
		no		no	nasal	s		348	2017-02-18	2022-11-20	0	0	no				no		38.7	23.7			ohs_not_applicable	yes	2017-03-01	95
		yes	choice4	no	nasal	s		349	2017-02-13	2022-12-22	1	1	no				no		27.5	18.8			ohs_not_applicable	yes	2017-03-16	100
		yes	choice4	no	nasal	s		352	2017-03-07	2022-06-11	0	0	no				no		38	23			ohs_not_applicable	yes	2017-03-15	100
		no		no	nasal			359	2017-03-22	2022-07-23	0	0	no				no		46.9	27.7			ohs_not_applicable	no	2025-01-01	
								363	2025-01-01	2022-07-04	2	3	no				no		38.5	23.8			ohs_not_applicable	no	2025-01-01	
		no		no	full_face		m	364	2017-03-16	2022-04-02	0	0	no				no		38.7	23.4			ohs_not_applicable	no	2025-01-01	
								371	2017-03-28	2023-05-16	0	0	no				no		31.7	20.1			ohs_not_applicable	no	2025-01-01	
		no		no	full_face			374	2017-04-17	2022-05-11	1	1	no				no		37	22.5	36.6	23.3	ohs_not_applicable	no	2025-01-01	
		no		no	nasal	l		375	2017-04-10	2022-05-10	1	1	no				no		37	21			ohs_not_applicable	no	2025-01-01	
								378	2017-04-24	2022-04-30			yes	2021-05-16	COVID19	no			52.3	27.3			ohs_not_applicable		2025-01-01	
		yes	choice5	no	nasal	s		380	2017-04-24	2022-05-02			yes	2022-06-16	COVID19, CKD	no			34	17.6			ohs_not_applicable		2025-01-01	
14	5	yes	choice4	no	full_face		m	383	2017-05-08	2022-05-02			yes	2021-05-21	COVID	yes	iv		50.1	28.8			ohs_not_applicable	yes	2025-01-01	
		no		no	nasal	l		384	2017-04-18	2022-05-11	1	1	no				no		35	21			ohs_not_applicable	no	2025-01-01	
		no		no	nasal	l		387	2017-04-26	2022-05-14	0	2	no				no		25.6	19.4			ohs_not_applicable	yes	2017-04-28	100
		no		no	nasal	l		388	2017-04-24	2022-05-06			yes	2019-11-05	Oral cancer	no							ohs_not_applicable	yes	2025-01-01	
		no		no	nasal	s		391	2017-04-27	2022-05-11	3	3	no				yes	i	38.5	23.9	31.8	21.5	ohs_not_applicable	yes	2017-04-27	95
		yes	choice4	no	nasal	l		394	2017-05-02	2022-05-25	0	3	no				no		38.5	22.9			ohs_not_applicable	no	2025-01-01	
								396	2017-05-01	2022-05-06			yes	2018-12-19	Undetermined	yes	iv		54.2	29.6			ohs_not_applicable	no	2025-01-01	
13	7	yes	choice4	no	nasal	l		397	2017-04-05	2022-09-10	0	0	no				no		32.1	23.6			ohs_not_applicable	no	2025-01-01	
20	12	yes	choice4	no	nasal	s		398	2017-05-29	2022-05-11	0	0	no				no		42.1	24			ohs_not_applicable	yes	2017-06-01	100
		yes	choice4	no	nasal	l		403	2017-05-22	2023-05-16	4	2	no				no		69	37			ohs_not_applicable	yes	2017-06-22	100
		yes	choice4	no	nasal	s		405	2017-05-23	2022-05-20	1	1	no				no		41.6	24.4			ohs_not_applicable	yes	2017-06-01	100
		no		no	nasal	l		406	2017-05-29	2022-05-11	1	1	no				no		36	21			ohs_not_applicable	yes	2017-07-01	99
14	8	no		no	nasal	l		410	2017-07-04	2022-05-06			yes	2020-01-16	Respiratory failure	yes	ii		38	27			ohs_not_applicable		2025-01-01	
		yes	choice4	no	full_face		l	412	2017-06-13	2022-06-30	2	2	no				no		39	22			ohs_not_applicable	yes	2017-06-13	90
		no		no	nasal	l		413	2017-07-10	2022-06-02	1	1	no				no		31.2	20			ohs_not_applicable	no	2025-01-01	
		no		no	nasal	l		414	2017-06-19	2022-06-21	2	2	no				no		41	23			ohs_not_applicable	no	2025-01-01	
24	14	yes	choice4	no	full_face		l	421	2017-07-03	2023-01-19	1	3	no				yes	iv	49.7	29.2	36.5	21.8	ohs_not_applicable	yes	2017-08-01	100
29	19	yes	choice4	no	full_face		m	423	2017-08-07	2022-05-06			yes	2018-07-20	Respiratory failure	yes	iv		67	33.8			ohs_not_applicable	yes	2017-09-20	
		no		no	full_face		m	426	2017-10-08	2022-06-03	2	1	no				no		38.3	22.8	39.8	22.7	ohs_not_applicable	yes	2018-04-01	80
24	16	yes	choice4	no	full_face		m	435	2017-08-11	2022-05-06			yes	2019-03-20	COPD exacerbation	no			33.7	31.6			ohs_not_applicable	yes	2017-09-20	
		no		no	nasal	l		437	2017-08-17	2022-05-26	1	0	no				no		38.2	21.5			ohs_not_applicable	no	2019-11-25	
		yes	choice4	no	full_face		l	442	2017-09-06	2022-05-11	0	0	no				no						ohs_not_applicable	no	2025-01-01	
		yes	choice4	no	full_face		l	445	2017-09-22	2022-06-14	0	0	no				yes	i	37.5	21.3	35.6	21.8	ohs_not_applicable	no	2025-01-01	
		no		no	nasal	s		446	2017-09-22	2022-06-14	2	3	no				no		31.5	20.7			ohs_not_applicable	no	2025-01-01	
18	8	yes	choice4	no	full_face		l	448	2017-09-14	2022-05-06	0	0	yes	2017-09-22	Cause undetermine	no			43.6	26.8			ohs_not_applicable	yes	2017-10-20	
		no		no	nasal	s		449	2017-09-01	2022-05-26	2	1	no				no						ohs_not_applicable	yes	2018-09-01	100
		no		no	nasal	l		451	2017-03-10	2022-05-26	2	3	no				no		43	29			ohs_not_applicable	no	2025-01-01	
		no		no	nasal	s		453	2017-10-09	2022-05-06			yes	2021-07-20	COVID 19	no			42	27.9			ohs_not_applicable	no	2025-01-01	
								458	2017-10-25	2022-05-07			yes	2017-12-20	Renal failure	no			23.5	16.5			ohs_not_applicable	no	2025-01-01	
		no		no	nasal	s		459	2017-10-25	2022-05-17	1	2	no				no		36.1	24.3	30	20.2	ohs_not_applicable	yes	2018-09-01	100
30	20	yes	choice4	yes	2 full_face		m	461	2017-11-14	2022-05-07			yes	2020-04-20	Renal failure	yes	i						ohs_not_applicable	no	2025-01-01	
								465	2017-12-18	2022-05-07			yes	2021-05-19	COVID19	no			40.4	26.7			ohs_not_applicable	no	2025-01-01	
		yes	choice4	no	nasal	l		466	2017-12-01	2022-05-11	1	3	no				no		33.6	22.9			ohs_not_applicable	no	2025-01-01	
		no		no	nasal	l		469	2017-01-23	2023-01-06	0	0	no				no		38	23.8			ohs_not_applicable	no	2025-01-01	
		yes	choice4	yes	2 full_face		s	470	2018-01-04	2022-06-13	4	3	no				no						ohs_not_applicable	yes	2018-01-10	95
		yes	choice4	no	nasal	l		472	2018-01-19	2022-05-09	0	0	no				no						ohs_not_applicable	yes	2018-02-01	50
		yes	choice4	no	nasal	l		475	2018-01-15	2022-05-17	0	0	no				no		42.2	27.7			ohs_not_applicable	yes	2018-01-25	100

		no		no		nasal	l			484	2018-02-27	2022-05-12	0	0	no				no			29	21.8			ohs_not_applicable	no	2025-01-01		
										489	2018-06-03	2022-05-28	0	0	no				no			36.1	24.6			ohs_not_applicable	no	2025-01-01		
26	16	yes	choice4	no		full_face		m		491	2018-03-01	2022-05-13	3	4	no				no			29.3	23.5			ohs_not_applicable	no	2025-01-01		
		yes	supine_rem_not_a	no		nasal	s			499	2018-04-12	2022-05-31	0	0	no				no			34.9	22.1			ohs_not_applicable	no	2025-01-01		
		no		no		full_face		l		500	2018-06-05	2022-05-12	4	3	no				no			38.8	26			ohs_not_applicable	yes	2018-06-15	100	
										504	2018-05-14	2022-05-13	4	3	no				no			38.1	23.3			ohs_not_applicable	no	2025-01-01		
28	18	no		no		full_face		l		506	2018-05-28	2023-05-17	4	2	no				yes							ohs_not_applicable	yes	2021-05-21	100	
		yes	others	no		full_face		l		507	2018-05-22	2022-05-12	2	3	no				no			26.2	19.6			ohs_not_applicable	no	2025-01-01		
		no		no		nasal	nasal_pillow	l		516	2018-06-18	2022-06-27	1	1	no				yes	i		32.2	22.2			ohs_not_applicable	yes	2018-07-01	10	
		no		no		nasal		l		519	2018-01-18	2022-06-14	3	2	no				no			33.6	23.9			ohs_not_applicable	yes	2018-01-25	100	
		yes	choice4	no		nasal		l		523	2018-07-02	2022-06-18	0	0	no				no			29.7	19			ohs_not_applicable	no	2025-01-01		
		no		no		full_face		m		525	2018-07-09	2022-05-07			yes	2019-08-20	Respiratory failure	no								ohs_not_applicable	no	2025-01-01		
		yes	choice4	no		nasal	s			526	2018-07-11	2022-06-10	0	0	no				no			30.3	20.8			ohs_not_applicable	no	2025-01-01		
										527	2018-07-26	2022-05-13	0	2	no				no			33.9	21.6			ohs_not_applicable	no	2025-01-01		
		yes	choice4	no		nasal	s			529	2018-08-08	2022-06-21	0	0	no				no			30.1	19.7			ohs_not_applicable	no	2025-01-01		
24	18	yes	did_not_settled_in	no		full_face		m		530	2018-07-20	2022-06-07	3	2	no				yes	i		31.1	21.3	32.3	20.8	ohs_not_applicable	yes	2018-11-25	50	
										533	2018-06-13	2022-05-09			yes	2018-03-21	Respiratory failure	no				32.8	22.4			ohs_not_applicable	no	2025-01-01		
										538	2018-08-10	2022-05-09			yes	2020-02-15	Cardiac arrest	no				45.2	26.4			ohs_not_applicable		2025-01-01		
26	16	yes	choice4	no		full_face		m		539	2018-08-10	2022-05-09			yes	2020-11-25	Respiratory failure	no				42.1	28.5			ohs_not_applicable	yes	2018-09-15		
		yes	choice4	no		nasal	s			541	2018-08-29	2022-05-14	0	0	no				yes	i		30.8	19.8	35.6	23.1	no		2025-01-01		
		yes	did_not_settled_in	no		full_face		m		546	2018-09-07	2022-07-04	0	0	no				no			30.8	21.6			ohs_not_applicable	yes	2018-09-07	90	
		yes	did_not_settled_in	no		nasal	l			549	2018-10-08	2022-06-18	1	1	no				yes	i		31.9	24.2	29.1	20.9	ohs_not_applicable	no	2025-01-01		
20	10	yes	choice4	no		full_face		l		552	2017-12-10	2023-05-29			yes	2023-01-15	Respiratory failure	no				40.2	20.3			ohs_not_applicable	yes	2017-12-28		
		yes	choice4	no		nasal	s			553	2018-10-17	2022-11-18	0	2	no				yes	iv				78.9	40.2	iv	no	2025-01-01		
		yes	choice5	no		nasal	s			558	2018-11-02	2022-06-25	2	2	no				no			26.9	18.9			ohs_not_applicable	yes	2018-11-09	20	
										560	2018-11-16	2022-06-28	0	0	no				no			37.2	23.7			ohs_not_applicable	no	2025-01-01		
24	18	no		no		full_face		l		563	2018-12-16	2022-06-06	0	0	no				no			38.5	22.9			ohs_not_applicable	yes	2018-12-16	100	
		no		no		nasal	s			566	2018-12-13	2022-06-03	0	0	no				no			42.2	24.6			ohs_not_applicable	yes	2018-12-16	80	
		yes	choice4	no		nasal	s			568	2018-12-07	2022-06-06	2	2	no				no			34.9	24.6			ohs_not_applicable	yes	2018-12-08	100	
18	11	yes	did_not_settled_in	no		full_face		m		576	2018-12-17	2022-05-30	2	3	no				no			44.8	32.9			ohs_not_applicable	no	2025-01-01		
		no		no		nasal	l			577	2019-01-07	2022-05-17	0	0	no				no			35.2	22.4			ohs_not_applicable	yes	2019-01-10	100	
		yes	choice4	no		nasal	l			585	2019-02-04	2022-05-17	1	2	no				yes	i		27.6	18.8	28.2	19.2	ohs_not_applicable	yes	2019-04-01	33	
		no		no		nasal	s			587	2019-01-28	2022-05-27	0	1	no				no			29.5	19			ohs_not_applicable	yes	2020-01-01	70	
		yes	choice4	no		full_face		m		594	2019-01-28	2022-05-12			yes	2021-01-21	Cardiac arrest	no				38.3	25.8			ohs_not_applicable	yes	2019-02-21		
		no		no		nasal	l			595	2019-02-13	2022-05-25	0	0	no				no			29.7	19.7			ohs_not_applicable	no	2025-01-01		
		no		no		nasal	s			596	2019-02-07	2022-05-19	0	0	no				yes	i		30.1	20.8	23	16.7	ohs_not_applicable	yes	2019-04-01	70	
		no		no		nasal	s			597	2019-03-08	2023-03-10	2	3	no				no			37.9	22			ohs_not_applicable	no	2025-01-01		
		yes	choice4	no		nasal	l			603	2019-02-12	2022-05-18	0	0	no				no			33.8	21.6			ohs_not_applicable	no	2025-01-01		
		no		no		nasal	s			606	2019-03-01	2022-05-30	0	0	no				yes	i		39	21.9	27.8	18.6	ohs_not_applicable	yes	2019-03-05	100	
		yes	choice4	no		full_face		s		608	2019-02-21	2022-05-13			yes	2021-05-21	COVID 19	no				37.1	27.5			ohs_not_applicable	no	2025-01-01		
										611	2019-03-11	2023-05-26	3	3	no				no			36	23			ohs_not_applicable	no	2025-01-01		
		yes	choice4	no		nasal	s			612	2019-04-01	2022-05-18	0	0	no				no			45	29			ohs_not_applicable	no	2025-01-01		
		no		no		nasal	s			615	2019-03-07	2022-05-17	0	2	no				no			37.3	22.2			ohs_not_applicable	no	2025-01-01		
		no		no		nasal	l			618	2019-04-03	2022-05-20	1	1	no				no			36.5	17.4	32	21.5	ohs_not_applicable	no	2025-01-01		
		no		no		full_face		m		619	2019-03-01	2022-05-19	1	1	no				no			36.7	20.4			ohs_not_applicable	yes	2019-04-01	90	
										623	2019-03-19	2022-05-21	1	1	no				no			34.7	22.3			ohs_not_applicable	no	2025-01-01		
22	15	yes	choice5	no		full_face		m		624	2019-05-20	2022-05-23	0	0	no				yes	i		33.4	21	31.5	22.7	ohs_not_applicable	no	2025-01-01		
		no		no		nasal	s			626	2019-04-11	2022-05-19	2	2	no				yes	i		36.8	23	32.8	17.8	ohs_not_applicable	yes	2019-06-01	100	
		no		no		nasal	xl			627	2019-04-04	2022-06-29	0	0	no				no			29.6	20			ohs_not_applicable	no	2025-01-01		
26	21	no		no		full_face		l		637	2019-04-28	2023-05-29			yes	2023-03-14	AECOPD with T2RF	no				45.7	27.7			ohs_not_applicable	no	2025-01-01		
		yes	choice4	no		nasal	l			644	2019-05-28	2022-06-02	0	0	no				no							ohs_not_applicable	no	2025-01-01		
		yes	choice5	no		nasal	l			645	2019-05-13	2022-04-28	1	3	no				no			39.5	24.5			ohs_not_applicable	yes	2019-05-01	60	
		yes	choice5	no		nasal	l			647	2019-05-27	2023-05-23	0	0	no				no			36.6	22.2			ohs_not_applicable	no	2025-01-01		
		yes	supine_rem_not_a	no		full_face		l		657	2019-07-05	2022-05-21	1	1	no				yes	iv		51.1	32.8	25.6	18.1	ohs_not_applicable	yes	2019-07-06	80	
		yes	supine_rem_not_a	no		nasal	s			659	2019-06-20	2023-03-31	3	2	no				yes	iv		52.1	38	38.7	26.5	ohs_not_applicable	yes	2019-07-01	100	
		yes	choice5	no		full_face		m		665	2019-07-08	2023-05-29			yes	2022-11-17	AECOPD with T2FF	no				58.3	37.5			ohs_not_applicable	no	2025-01-01		
		yes	choice5	no		nasal	l			669	2019-07-22	2022-06-01	3	2	no				no			42.3	29.3			ohs_not_applicable	no	2025-01-01		
		no		no		full_face		s		670	2019-07-22	2022-05-23	4	4	no				no			52.6	37.8			ohs_not_applicable	no	2025-01-01		
		no		no		nasal	l			673	2019-07-26	2022-05-18	4	4	no				no					28.9	19.3	ohs_not_applicable	no	2025-01-01		
		yes	choice5	no		full_face		l		674	2019-07-26	2022-05-16			yes	2021-12-21	Asthma exacerbati	no				28.5	30.6			ohs_not_applicable		2025-01-01		
		no		no		full_face		l		677	2019-08-01	2022-06-02	2	3	no				no			33.7	22.7			ohs_not_applicable	no	2025-01-01		
		yes	did_not_settled_in	no		nasal	l			682	2019-09-06	2022-05-19	0	0	no				no							ohs_not_applicable	no	2025-01-01		
		no		no		nasal	s			687	2019-09-03	2022-05-18			yes	2021-04-21	COVID19	no				29	20.3			ohs_not_applicable		2025-01-01		
		no		no		nasal	s			688	2019-09-05	2022-06-04	0	3	no				no							ohs_not_applicable	no	2025-01-01		
21	14	yes	supine_rem_not_a	yes	1	full_face		s		695	2019-10-31	2022-05-14	4	3	no				no							ohs_not_applicable	yes	2020-01-01	98	
		yes	supine_rem_not_a	no		full_face		l		696	2019-09-27	2022-07-02	2	3	no				no			33.5	22.5			ohs_not_applicable	yes	2019-09-30	80	
										699	2019-09-26	2022-05-26	2	2	no				no			27.4	18.2			ohs_not_applicable	no	2025-01-01		
										700	2019-09-28	2022-05-19			yes	2021-03-22	Heart failure	no								ohs_not_applicable	yes	2019-11-22		
		yes	supine_rem_not_a	yes	1	nasal	s			701	2019-09-28	2022-05-19			yes	2020-03-22	Respiratory failure	no				45.9	29.3			ohs_not_applicable	yes	2019-11-23		
										705	2019-10-11	2022-05-31			yes	2019-03-22	Hapatic failure	no				42.6	25			ohs_not_applicable		2025-01-01		
		no		no		nasal	xl			706	2019-10-21	2022-06-01	2	2	no				no			35.6	23			ohs_not_applicable	yes	2019-10-21	92	
		no		no		full_face		m		712	2019-09-09	2022-06-01	0	0	no				no							ohs_not_applicable	no	2025-01-01		
		yes	supine_rem_not_a	no		nasal	l			713	2019-11-08	2022-06-06	2	2	no				no							ohs_not_applicable	yes	2019-12-09	75	
28	18	no		no		full_face		l		714	2019-11-09	2022-06-04	2	2	no				yes	i				31.7	21.7	ohs_not_applicable	yes	2020-02-01	5	
		yes	choice5	no		full_face		m		722	2019-11-24	2022-07-06	3	3	no				no			42.9	26.7			ohs_not_applicable	no	2025-01-01		
		yes	choice5	no		full_face		m		726	2019-11-28	2022-05-23			yes	2021-01-27	MI	no				43.1	25.5			ohs_not_applicable	no	2025-01-01		

		yes	choice5	no		nasal	l		728	2019-11-29	2022-05-23			yes	2021-04-09	MI	no								ohs_not_applicable	no	2025-01-01		
		no		no		nasal	s		738	2019-12-18	2022-06-02	3	4	no			no			31.6	19.7			ohs_not_applicable	no	2020-06-01		
		no		no		nasal	s		739	2020-01-10	2022-06-16	2	2	no			no							ohs_not_applicable	yes	2020-02-08	66	
		no		no		nasal	s		743	2019-12-30	2022-06-22	3	3	no			no					34.9	21.3	ohs_not_applicable	no	2025-01-01		
									744	2020-01-06	2022-06-02	1	1	no			no							ohs_not_applicable	no	2025-01-01		
		yes	choice5	no		nasal	s		753	2020-01-09	2022-06-11	0	1	no			no			34	21.4			ohs_not_applicable	no	2025-01-01		
									756	2020-01-06	2022-06-02			yes	2021-03-22	Brain haemorrhage	no			26.9	16.2			ohs_not_applicable	no	2025-01-01		
		no		no		nasal	s		757	2022-07-31	2020-01-21	0	0				no							ohs_not_applicable	no	2025-01-01		
		yes	choice4	no		nasal	s		758	2020-01-11	2022-06-02			yes	2021-03-22	Respiratory failure	no			51.1	33.5			ohs_not_applicable	yes	2020-02-22		
									760	2020-02-10	2022-06-25	1	2	no			no			33	12			ohs_not_applicable	yes	2020-02-20	96	
18	12	no		no		nasal	s		763	2020-02-13	2022-06-04	2	2	no			no			40.4	23			ohs_not_applicable	yes	2020-02-18	90	
		yes	choice4	no		nasal	l		767	2020-02-18	2022-06-20	0	0	no			no			35.5	25			ohs_not_applicable	yes	2020-03-01	50	
									769	2020-02-17	2022-06-08	3	3	no			yes	i		40	24.1	32.8	20	ohs_not_applicable	no	2025-01-01		
									770	2020-03-20	2023-05-29			yes	2022-12-16	MI	no							ohs_not_applicable	yes	2020-02-28		
									774	2020-03-02	2022-06-03			yes	2021-03-22	Respiratory failure	no			58.3	37.7			ohs_not_applicable		2025-01-01		
									776	2020-03-17	2022-07-05	1	2	no			no							ohs_not_applicable	no	2025-01-01		
		no		no		nasal	s		782	2020-10-13	2022-07-16	1	1	no			no			42.4	27.9			ohs_not_applicable	no	2025-01-01		
									792	2021-01-29	2022-06-16	0	0	no			no							ohs_not_applicable	yes	2021-03-08	20	
									793	2021-01-24	2022-06-11	2	3	no			no							ohs_not_applicable	yes	2021-01-26	90	
		yes	did_not_settled_in	no		full_face		sm	794	2021-02-22	2022-07-12	4	4	no			no							ohs_not_applicable	no	2021-03-01		
									796	2021-01-18	2022-06-20	0	0	no			no							ohs_not_applicable	no	2025-01-01		
		yes	supine_rem_not_a	no		nasal	l		799	2021-02-11	2022-06-17	1	1	no			no			29	20			ohs_not_applicable	no	2025-01-01		
		yes	choice4	no		nasal	s		800	2021-02-19	2022-07-11	3	1	no			no			37	20.9			ohs_not_applicable	no	2021-03-19		
		no		no		full_face		m	803	2021-02-26	2022-06-13	2	2	no			no			27.4	18.1			ohs_not_applicable	no	2021-03-01		
									811	2021-03-27	2022-07-06	3	3	no			no			31.9	20.7			ohs_not_applicable	no	2025-01-01		
									814	2021-07-01	2022-07-16	0	0	no			no			34	23			ohs_not_applicable	yes	2021-07-07	80	
									815	2021-01-11	2022-06-11	4	3	no			yes	iv		46	30	32.9	23	ohs_not_applicable	yes	2021-01-26	80	
									820	2021-07-16	2022-06-15	2	1	no			no							ohs_not_applicable	yes	2021-08-26	100	
									821	2021-07-15	2022-06-13	0	0	no			no			40.4	23.7			ohs_not_applicable	yes	2021-08-26	86	
									824	2021-07-23	2022-06-25	0	3	no			no			41	34			ohs_not_applicable	yes	2021-07-29	40	
									825	2021-07-22	2022-07-08	1	0	no			no			41	24			ohs_not_applicable	yes	2022-03-10	95	
									832	2021-01-28	2022-06-11	3	1	no			no							ohs_not_applicable	no	2021-02-01		
									839	2021-08-25	2022-06-08	3	3	no			no							ohs_not_applicable	yes	2021-09-02	10	
									840	2021-08-18	2022-06-28	3	3	no			no							ohs_not_applicable	no	2025-01-01		
									841	2021-08-19	2023-06-05	3	3	no			no							ohs_not_applicable	no	2025-01-01		
									843	2021-08-24	2022-06-08	4	4	no			yes	iv		50.3	22.6	33.2	20.6	ohs_not_applicable	yes	2021-09-26	100	
									844	2021-08-24	2022-06-10	0	0	no			no			35	23			ohs_not_applicable	no	2025-01-01		
									847	2021-09-15	2022-06-15	2	2	no			no							ohs_not_applicable	no	2021-05-30		
									850	2021-09-14	2022-06-06	0	0	no			no							ohs_not_applicable	yes	2021-09-23	94	
									864	2021-12-09	2022-06-18	0	0	no			no			38	25			ohs_not_applicable	yes	2021-02-08	95	
									865	2021-10-27	2023-02-07			no			no			37.1	23.3			ohs_not_applicable	yes	2021-12-15	70	
									866	2021-09-27	2022-06-08	4	4	no			no			42.9	24.2			ohs_not_applicable	yes	2021-11-08	90	
									870	2021-11-19	2022-06-08	0	0	no			no							ohs_not_applicable	no	2025-01-01		
									955	2021-12-09	2022-07-18	2	2	no			no							ohs_not_applicable	yes	2021-12-13	100	

260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289
fu_subjective_usage_hoursday	fu_subjective__of_days_using4_hours	fu_download_data_of_last_month	fu_pap_device_mode	fu_recommended_IPAPpressure	fu_recommended_EPAPpressure	fu_CPAP	fu_Objective_usage	fu_average_use_of_device_per_day	fu_percentage_of_days_with_usage__4_hours	fu_ahi	fu_LEAK	fu_adequate_usage	fu_humidifier_using	fu_COMPLAINTS_OF_CPAP	fu_Reasomn_for_not_using_CPAP	fu_WHAT_IS_THE_MOST_IMPORTANT__REASON	fu_ANY_COMPLAINTS_DEVELOPED_SINCE_DIAGNOSIS	fu_is_patient_taking_medicine_for_any_other_disease	fu_name_of_medicines	fu_nocturnal_urination_frequency	fu_weight	fu_FU_SBP	fu_FU_DBP	fu_neck_in_cm	fu_waist_in_cm	fu_hip_in_cm	fu_bmi	fu_hemoglobin	fu_hematocrit
06:00:00.000	100	yes	bilevel__st	22	18		95.6	06:00:00.000	90.6	4	70.2	yes	yes	mask_leak nasal_discomfort						0	116	126	83	46	117	117	38.3	14.1	41.6
08:00:00.000	100	no	bilevel__s	12	8			00:00:00.000				yes	no	mask_leak				htn	Azilsartan, cilnidipi	2	75	137	80	40	103	100	25	13.6	40
00:00:00.000		no	bilevel__s	14	10			00:00:00.000														0							
19:04:00.000								19:04:00.000							can_not_use_throu	can_not_use_throughout_life				4	56	118	86	35.5	87	93	21.3	13.7	41.5
00:00:00.000		no	cpap			8		00:00:00.000							finance	finance	diabetes_mellitus	dm		1	62	123	76	36	102	100	26.6	13.5	42.3
00:00:00.000		no	cpap			7		00:00:00.000							choice8 i_dont_thi	i_dont_think_disea	uncontrolled_hype	htn	Ayurvedic	1	59	102	63	35	83	95	22.2	13.5	39.4
00:00:00.000			cpap			6		00:00:00.000							finance can_not_u	not_right_choice_f	uncontrolled_hype	htn	Chlorthalidone, me	1	100	117	69	43	116	120	35.4	16.5	45
00:00:00.000		no	cpap			13		00:00:00.000							uncomfortable_wit	uncomfortable_with_pressure_or_mas		htn depression	Telmisartan, alpraz	3	106	112	70	44	114	113	34.51	11.4	35.6
00:00:00.000		no	cpap			17		00:00:00.000							can_not_use_throu	not_right_choice_for_my_life_style				0	87	133	96	37	101	108	31.9	16	45.9
00:00:00.000		no	cpap			9		00:00:00.000							finance choice8 i_d	finance		htn dm	Telmisartan, hydro	3	65	135	88	38	99	96	24.7	13.5	38.1
18:47:00.000								18:47:00.000							finance can_not_u	finance	uncontrolled_hype	htn dm cad	Telmisartan, Metoj	1	80	126	91	41	108	103	28.6	13.7	41.5
07:00:00.000	66	yes	cpap			11	39.4	03:30:00.000	38.9	4.7	37.3	no	no							0	85	160	93	43	111	105	31.2	14.7	44.1
00:00:00.000		no	cpap			7		00:00:00.000							can_not_use_throu	can_not_use_throu	diabetes_mellitus	dm	Ayurvedic treatme	1	97	133	93	42	117	112	32.41	13.8	41.2
00:00:00.000		no						00:00:00.000							uncomfortable_wit	uncomfortable_wit	uncontrolled_hype	htn dm	Olmesartan 20	2	76	130	84	39	106	104	26.92	14.5	41.9
06:00:00.000	100	yes	cpap			14	88.5	07:00:00.000	82.4	7.9	32	yes	yes	mask_leak nasal_bruised				htn	Nebivolol, cilnidipi	0	105	139	84	44	122	116	35.84	14.3	41.7
08:00:00.000	100	no	cpap			11		00:00:00.000					no					htn dm	Telmisartan-40, Ins	2	78	126	83	41.2	103	100	27.91	13.8	39.7
00:00:00.000		no						00:00:00.000							finance uncomfort	finance	uncontrolled_hype	htn	Amlodipine, Ateno	0	56	121	76	37	96	105	21.07	16.5	46.4
00:00:00.000			cpap			8		00:00:00.000							not_right_choice_f	not_right_choice_f	uncontrolled_hype	htn dm	Telmisartan-40; M	3	63	126	73	32	104	102	29.9	13.8	40.9
00:00:00.000		no	cpap			15		00:00:00.000														0							
00:00:00.000		no						00:00:00.000							i_dont_think_disea	i_dont_think_disease_is_significant				0	78	123	83	36	96	113	30.09	13.9	43.3
00:00:00.000		no						00:00:00.000							not_right_choice_f	not_right_choice_for_my_life_style		htn			78	120	80				33.3		
02:00:00.000	20	yes	cpap			12	26.7	01:30:00.000	24.2	2.9	26	no	yes	mask_leak dry_mouth			uncontrolled_hype	htn dm cad	Metoprolol, glimip	0	77	116	70	40	103	97	25.14	16.6	48.4
06:00:00.000	100	no	bilevel__s	21	17			00:00:00.000					no	red_eyes			accident	dm	Glimiperide	0	81	124	88	42	112	106	30.76	16.1	47
00:00:00.000		no	cpap			17		00:00:00.000							finance can_not_u	not_right_choice_for_my_life_style				3	102	142	102	44	106	118	32.5	14.2	42.2
05:00:00.000	80	yes					63	03:40:00.000	26.7	1.2	44	no	yes	dry_mouth facial_rash			uncontrolled_hype	htn	Telmisartan 40	0	91	118	80	45	102	105	31.4	15.1	44.3
00:00:00.000								00:00:00.000							finance can_not_u	finance		htn dm	Propranolol, moxo	3	56	135	89	35	83	89	21.07	11.3	32.8
00:00:00.000		no						00:00:00.000										dm	Glimipeide, metfor	0	58	130	90	36	86	84	20.5	15.8	45.5
00:00:00.000		no						00:00:00.000												5	101	138	94	46	125	105	35.05		
00:00:00.000			cpap			8		00:00:00.000														0							
00:00:00.000			bilevel__s	16	9			00:00:00.000														0							
00:00:00.000			cpap			6		00:00:00.000							finance can_not_u	can_not_use_throughout_life				1	86	114	78	41	102	108	29.65		
00:00:00.000		no						00:00:00.000							uncomfortable_wit	uncomfortable_wit	uncontrolled_hype	htn	Olmesartan-20	0	75	122	66	38	92	96	24.77	14.9	44.1
07:00:00.000	100	no	cpap			12		00:00:00.000				yes	no					htn		0	74	135	85	39	92	95	27.18	16.3	48.5
00:00:00.000			bilevel__st	17	13			00:00:00.000							i_dont_think_disea	i_dont_think_disease_is_significant		htn	LOSARTAN, AMLOI	2	91	132	73	42	124	121	44.37	13.4	43.8
00:00:00.000		no						00:00:00.000							can_not_use_throu	i_dont_think_disease_is_significant				1	64	114	76	39	89	92	22.6	12.8	39.1
00:00:00.000								00:00:00.000														0							
06:30:00.000	0	yes	bilevel__s	12	8		18.1	07:00:00.000	18.1	0.9	28	no	no	facial_rash				htn cad	Metoprolol, telmis	1	75	171	124	38	98	101	25.35	12.3	36.4
00:00:00.000		no						00:00:00.000										htn	Amlodipine, atenol	3	99	163	96	40	128	118	36.8	11.1	33.9
07:00:00.000	85	yes	cpap			11	81	06:30:00.000	77	0.7	0	yes	yes							0	118	131	87	44	131	138	39.8	14.3	40.9
05:00:00.000	50	yes	cpap			7	69.1	05:30:00.000	51.3	2.2	24	no	no	mask_leak pressure_intolerance claustrophobia						0	64	128	74	38	89	97	22.4	15.2	43.1
06:00:00.000	70	no	cpap			8		00:00:00.000					no	dry_mouth red_eyes				htn dm	Amlodipine, Metfo	0	55	118	70	39	85	90	22.03	13.4	40.2
00:00:00.000		no	cpap			15		00:00:00.000							can_not_use_throu	not_right_choice_f	uncontrolled_hype	htn	Telmisartan-40	2	108	132	90	49	113	110	34.3	14	42.1
06:00:00.000	70	yes	cpap			7	97.8	05:30:00.000	81.7	1.4	18	yes	no	mask_leak pressure_intolerance red_eyes			diabetes_mellitus	dm	Metformin	1	73	112	79	38	92	98	23.5	15.7	44.4
05:00:00.000	70	no	cpap			9		00:00:00.000					no	mask_leak dry_mouth			uncontrolled_hype	htn dm	Telmisartan-40, Sit	3	90	142	87	44	110	112	30.07	13.2	39.5
00:00:00.000		no						00:00:00.000							can_not_use_throu	can_not_use_throu	uncontrolled_hype	htn	Telmisartan-40	1	62	133	79	32	104	102	27.4	11.1	33.2
00:00:00.000		no	cpap			9		00:00:00.000							finance	finance		htn dm cad	Telmisartan, hydro	2	60	140	90	37	95	95	26.31	13.8	40.4
00:00:00.000		no	apap					00:00:00.000							finance not_right_c	i_dont_think_disease_is_significant				0	77	127	77	36	90	102.5	23.2	16.7	47.9
06:00:00.000	50	yes	cpap			14	10	00:36:00.000	7.2	1.2	33	no	yes	mask_leak nasal_discomfort nasal_bruised dry_mouth						2	99	122	82	39	108	110	29.56	15.7	43.1
00:00:00.000		no	cpap			9		00:00:00.000							not_found_effect	not_found_effect	uncontrolled_hype	htn dm	Indapamide, perin	1	70	97	46	39	99	97	29.51	13.8	39.1
00:00:00.000		no						00:00:00.000									uncontrolled_hype	htn dm cad	Telmisartan, metfo	3	94	98	66	40	110	114	31.34	13	37.4
00:00:00.000		no	cpap			9		00:00:00.000							finance choice8 ast	finance				0	69	154	107	36	80	98	23.3	16.1	46
00:00:00.000		no	cpap			12		00:00:00.000							choice8 not_right_c	i_dont_think_disease_is_significant				1	72	125	84	41	97	101	25.81	13.2	38.9
06:00:00.000	100	yes	cpap			16	100	06:30:00.000	97.3	0.5	14.42	yes	no							0	86	104	71	42	107	105	30.8	13.5	39.7
00:00:00.000		no	bilevel__st	21	15			00:00:00.000														0							
06:00:00.000	80	no	cpap			7		00:00:00.000					no	mask_leak nasal_discomfort				dm	Glimiperide, Metfo	8	63	114	81	36	96	98	24	15.1	42.7
00:00:00.000		no	cpap			9		00:00:00.000							can_not_use_throu	ashamed_of_using_cpap				0	86	129	84	38	107	105	31.5	15.1	43.4
04:00:00.000	50	yes	cpap			14	14.8	06:00:00.000	14.2	3	37.1	no	no	mask_leak dry_mouth				htn dm cad	Ramipril, Ecosprin	1	91	103	73	42.5	119	121	39.91	16	49.8
00:00:00.000		no	cpap			9		00:00:00.000										htn cad	Metoprolol, amlod	2	57	137	84	36	90	89	23.4	13.6	40.2
06:00:00.000	100	no	cpap			15		00:00:00.000				no	no				uncontrolled_hype	htn dm	Telmisartan, Amlo	0	104	134	68	44	122	121	35.15	15.3	42.4
00:00:00.000			cpap			9		00:00:00.000														0							
08:00:00.000	100	yes	cpap			10	98	07:30:00.000	98	6		yes	yes				heart_attack	cad	Carvedilol, Ecospri	0	88	113	79	42.5	109	110	33.12	14.9	42.4
00:00:00.000		no	cpap			10		00:00:00.000							can_not_use_throu	uncomfortable_with_pressure_or_mask				2	87	128	80	38	114	112	36.42	14.5	40.5
00:00:00.000								00:00:00.000							can_not_use_throu	can_not_use_throughout_life				2	93	150	100	36	131	128	39.5	13.3	37.2
00:00:00.000		no	cpap			11		00:00:00.000							can_not_use_throu	choice8				0	78	123	84	38	97	105	26.43	14.9	43.3
00:00:00.000								00:00:00.000							i_dont_think_disea	i_dont_think_disease_is_significant				1	56	116	85	37	87	89	21.6	13.9	38.7
00:00:00.000		no	cpap			10		00:00:00.000							i_dont_think_disea	i_dont_think_disease_is_significant		htn	Telmisartan, hydro	3	71	109	72	40	95	101	23.7	13.2	39.2
00:00:00.000		no	cpap			12		00:00:00.000							finance can_not_u	finance	heart_attack	dm cad	Metformin, glimipe	2	81	137	90	41	107	104	28.87	15.2	43.3
06:00:00.000	100	yes					97.2	06:30:00.000	93.3	5.8	57.8	yes	no					htn dm cad hypoth	cilnidipine, olmesa	3	131	160	93	41	123	150	152	14.4	39.6

| | | |

00:00:00.000	no	cpap			10	00:00:00.000										choice8	not_right_choice_for_my_life_style				1	84	118	73	41.5	108	104	28.96	15.3	44.5
00:00:00.000	no					00:00:00.000										can_not_use_throughout_life	uncomfortable_with_pressure_or_mask	uncontrolled_hypertension	htn	Ayurvedic	3	109	129	76	43.5	129	110	39.3	14.9	43.5
00:00:00.000	no	bilevel__s	26	16		00:00:00.000										uncomfortable_with_pressure_or_mask	uncomfortable_with_pressure_or_mask	htn dm	Amlodipine, metfo		0	85	116	69	34	111	111	34.4	9.4	28
00:00:00.000	no	cpap			7	00:00:00.000										finance can_not_use_throughout_life	uncomfortable_with_pressure_or_mask	depression	depression	Desvenlafexine, clo	0	76	129	95	32	96	106	29.6	13.7	41.6
07:00:00.000	yes	cpap			16	85.2	05:00:00.000	63.7	1	37.3	no	no	pressure_intolerance	dry_mouth		heart_attack	cad	Aspirin, atorvastati		2	89	103	54	40	118	105	30.43	17.4	51.9
00:00:00.000	no	apap				00:00:00.000										choice8	not_right_choice_for_my_life_style	uncontrolled_hypertension	htn dm depression	Telmisartan, amloc	1	99	98	79	41	119	113	40.63	14.4	41.91
07:00:00.000	100	yes	bilevel__st	28	18	99.4	07:00:00.000	96.1	9	70	yes	no	mask_leak	pressure_intolerance	dry_mouth	facial_rash					0	108	127	77	41	116	114	32.6	13.8	42.3
00:00:00.000	no	cpap			12	00:00:00.000										finance can_not_use_throughout_life	finance	htn	Telmisartan, hydro		0	145	138	93	42	152	145	48.51	13.9	39.9
04:00:00.000	10	yes	cpap		13	45	02:30:00.000	4	8.7	41	no	yes	mask_leak	pressure_intolerance		diabetes_mellitus	dm	Glimiperide, metfo		3	72	123	91	40	103	113	31.16		
08:00:00.000	100	yes	cpap		13	98.9	07:30:00.000	97.8	0.9	36	yes	no					htn	Azilsartan			3	71	149	90	37	102	112	30.3	12.3	37.3
00:00:00.000	no	cpap			8	00:00:00.000										can_not_use_throughout_life	can_not_use_throughout_life				0	82	132	96	38.5	101	102	30.2	15.7	45.2
00:00:00.000	no	apap				00:00:00.000																0	0								
00:00:00.000	no	cpap			8	00:00:00.000					no					choice8	choice8				0	74	127	76	38.5	95	102	23.65	14.9	44.2
00:00:00.000	no	cpap			10	00:00:00.000										uncomfortable_with_pressure_or_mask	uncomfortable_with_pressure_or_mask	htn	Enalapril		4	82	120	67	39	109	102	29.05	13.7	41.7
00:00:00.000	no	cpap			16	00:00:00.000										can_not_use_throughout_life	not_right_choice_for_my_life_style	htn	Telmisartan		0	67	108	61	39	87	96	25.4	10.8	32.6
04:30:00.000	40	yes	bilevel__st	24	18	70.5	02:48:00.000	35.5	5.4	64.6	no	no	mask_leak	nasal_bruised	history_of_pneumonia_in_last_one_year		htn dm	Telmisartan, meto		2	93	140	81	42	114	107	32.17	11.5	35.8
00:00:00.000						00:00:00.000																	0								
00:00:00.000						00:00:00.000																	0								
00:00:00.000		bilevel__st	26	16		00:00:00.000																	0								
00:00:00.000		cpap			16	00:00:00.000										can_not_use_throughout_life	can_not_use_throughout_life				0	97	150	104	43	110	110	33.56	15.3	44.6
06:00:00.000	90	yes	cpap		13	60	04:50:00.000	43	0.5	14	no	no	dry_mouth			uncontrolled_hypertension	htn	Amlodipine, atenol		2	75	129	74	39	102	100	27.51	13.8	40.3
00:00:00.000	no	cpap			15	00:00:00.000										not_right_choice_for_my_life_style	i_dont_think_disease_is_significant	uncontrolled_hypertension	htn	Telmisartan, meto	1	102	129	85	44	124	116	37.01	14.2	42.6
00:00:00.000	no	bilevel__s	20	10		00:00:00.000																	0								
00:00:00.000	no	bilevel__st	22	13		00:00:00.000										finance	finance	htn dm cad	Metoprolol, aldact		3	86	117	73	43	118	118	33.17	16.4	49.9
07:00:00.000	20	no	cpap		6	00:00:00.000					no	no	nasal_discomfort								2	104	129	65	35	105	120	31.74		
00:00:00.000	no	apap				00:00:00.000										finance can_not_use_throughout_life	can_not_use_throughout_life	depression	htn cad depression	Aspirin, atorvastati	0	94	150	92	40.5	114	113	34.78	13.7	40.4
08:00:00.000	100	yes	bilevel__s	24	18	98.9	07:00:00.000	97.8	0.9	102	yes	no	nasal_bruised	claustrophobia	dry_mouth						0	104	128	82	41	114	120	32.09	13.4	42.2
05:30:00.000	90	yes	cpap		14	90	05:00:00.000	70	0.8	40	yes	yes	mask_leak	dry_mouth		uncontrolled_hypertension	htn cad	Metoprolol, aspirin		0	70	105	78	38	94	100	23.97	12.5	36.7
05:00:00.000	100	yes	cpap		14	100	07:30:00.000	100	2.1	58	yes	no				diabetes_mellitus	dm	not taking treatme		0	117	107	66	47	129	120	37.7	12.6	40
00:00:00.000	no	bilevel__st	22	17		00:00:00.000					no	no				finance can_not_use_throughout_life	finance	htn	Torsemide, spironc		3	60	148	81	38	90	89	22.08	16.1	51.4
06:00:00.000	100	yes	cpap		11	100	06:00:00.000	74.6	3.2	31	yes	no	nasal_bruised	dry_mouth			htn dm	Telmisartan, hydro		1	87	139	69	41	120	105	30.1	13.5	39.4
05:00:00.000	33	yes	cpap		13	36	05:00:00.000	25.1			no	no	mask_leak	nasal_discomfort	claustrophobia	dry_mouth	uncontrolled_hypertension	htn depression	Telmisartan, amloc		3	74	118	81	38	92	101	26.2	12.2	34.1
06:00:00.000	70	yes	apap			46.7	06:30:00.000	42.9	1.8	23	no	no	red_eyes								1	72	107	63	36	88	99	24.6	14.6	42.7
00:00:00.000			cpap		18	00:00:00.000																	0								
00:00:00.000	no		cpap		10	00:00:00.000										choice8	choice8				0	76	137	99	40	90.5	101	24.5	15.8	46.2
05:00:00.000	70	no	cpap		13	00:00:00.000						no	mask_leak				htn	Telmisartan, hydro		1	73	142	94	40	95	99	25.25	13.7	39.7
00:00:00.000	no		cpap		11	00:00:00.000										finance	finance	htn cad depression	Amlodipineno medications for depression and CAD			75	118	96	34	108	109	33.6	14.7	44.1
00:00:00.000	no		cpap		11	00:00:00.000										uncomfortable_with_pressure_or_mask	uncomfortable_with_pressure_or_mask	htn	Enalapril, metopro		0	73	148	103	39	100	94	28.16	15.8	44.1
06:00:00.000	100	yes	cpap		19	98.9	07:00:00.000	95.5	0.3	6	yes	no	nasal_discomfort								0	92	120	88	48	109	105	31.56	14.9	44.4
00:00:00.000			cpap		15	00:00:00.000																	0								
00:00:00.000	no		cpap		10	00:00:00.000										finance	finance	htn dm	Amlodipine, Home		4	92	110	86	40	111	106	29.4	13.7	41.7
00:00:00.000	no		cpap		11	00:00:00.000										can_not_use_throughout_life	lazy_to_use_cpap				3	69	115	76	36.5	94	97	25.9	14.1	41.4
00:00:00.000	no		cpap		13	00:00:00.000										uncomfortable_with_pressure_or_mask	uncomfortable_with_pressure_or_mask	htn cad	Sacubitril, valsarta		2	80	104	75	42	98	102	27.4	13.2	38.9
00:00:00.000	no		cpap		13	00:00:00.000										finance can_not_use_throughout_life	can_not_use_throughout_life	htn	Telmisartan, amloc		3	87	124	77	41	105	104	29.4	13.3	38.5
08:00:00.000	90	yes	apap			68.7	06:00:00.000	60.4	3.4	35	no	no	nasal_discomfort	dry_mouth			htn	Metoprolol, telmis		0	62	142	85	32	85	94	21.7	14	40.9
00:00:00.000	no					00:00:00.000										can_not_use_throughout_life	can_not_use_throughout_life				1	70	112	79	36	90	96	24.04	13.8	38.1
00:00:00.000	no	bilevel__st	22	15		00:00:00.000										can_not_use_throughout_life	uncomfortable_with_pressure_or_mask				1	80	108	78	35.5	106	112	32.2	12.8	38.4
06:30:00.000	100	yes	cpap		11	98.9	07:00:00.000	98.9	0.3	32	yes	no	mask_leak	nasal_discomfort	dry_mouth		htn	Losartan-50		0	97	126	84	45	114	111	29.93	12.6	36.3
00:00:00.000	no		cpap		10	00:00:00.000										choice8	choice8	diabetes_mellitus	dm	Metformin, Glimip	0	77	132	93	39	110	98	27.3	14.4	41.4
00:00:00.000	no	bilevel__st	26	21		00:00:00.000																	0								
00:00:00.000	no		cpap		10	00:00:00.000										uncomfortable_with_pressure_or_mask	i_dont_think_disease_is_significant				0	70	115	81	38	86	97	23.28	13.3	40.5
06:00:00.000	60	no	cpap		14	00:00:00.000						no	nasal_discomfort	nasal_bruised	dry_mouth	history_of_pne	diabetes_mellitus	dm			2	83	111	81	45	109	100	28.38	14.4	41.1
00:00:00.000	no					00:00:00.000										finance can_not_use_throughout_life	finance		dm	Metformin, glimipi	2	59	113	72	38	86	85	24.4	14.8	45.9
07:00:00.000	80	yes	cpap		16	62	06:30:00.000	61	5.8	50.4	no	yes	mask_leak	dry_mouth	facial_rash		diabetes_mellitus	htn dm	Metoprolol, telmis		1	90	133	86	42.5	113	125	42.34	13.4	39.6
08:00:00.000	100	yes	cpap		13	69.1	04:30:00.000	42.8	2	40	no	no	mask_leak	facial_rash				htn dm hypothyroi	Cilnidipine, Telnigli		0	62	132	89	35	110	106	28.69	13.6	42.9
00:00:00.000			cpap		17	00:00:00.000																	0								
01:00:00.000	no		cpap		7	00:00:00.000										finance can_not_use_throughout_life	finance				3	80	116	69	39	103	102	27.6	12.6	37
00:00:00.000	no		cpap		10	00:00:00.000										finance can_not_use_throughout_life	finance	htn	Amlodipine		1	47	119	80	33	78	85	17.6	13.6	40.5
00:00:00.000	no		cpap		17	00:00:00.000										can_not_use_throughout_life	can_not_use_throughout_life	diabetes_mellitus		Taking no medicati	4	101	119	75	36	133	129	41.9	14.2	41.5
00:00:00.000			cpap		17	00:00:00.000																	0								
00:00:00.000	no		cpap		16	00:00:00.000										not_right_choice_for_my_life_style	i_dont_think_disease_is_significant	htn	Amlodipine		2	66	113	67	41	103	100	25.6	13.5	41.5
00:00:00.000	no		cpap		10	00:00:00.000										finance choice8	finance	uncontrolled_hypertension	htn	Amlodipine	0	87	123	88	42	112	107	29.3	13.3	38.9
00:00:00.000			apap			00:00:00.000																	0								
00:00:00.000	no		cpap		5	00:00:00.000										finance can_not_use_throughout_life	i_dont_think_disease_is_significant	htn	Telmisartan, amloc		3	87	131	92	32	100	125	36.4	13.6	41.1
06:00:00.000	98	yes	cpap		14	100	06:30:00.000	93.3	1.3	28	yes	yes	mask_leak	nasal_bruised	dry_mouth		uncontrolled_hypertension	htn	Telmisartan, hydro		3	59	96	57	39	100	89	22.83	15.3	44.8
06:00:00.000	100	yes	cpap		9	57	04:30:00.000	37	0	15.9	no	no	dry_mouth				accident	htn dm	Telmisartan, Cilnid		0	100	152	80	44	125	118	34.8	11.2	35.3
00:00:00.000						00:00:00.000																2	57	125	83	31	103	100	24.75	11.9	36.3
00:00:00.000						00:00:00.000																	0								
00:00:00.000						00:00:00.000																	0								
00:00:00.000						00:00:00.000																	0								
06:00:00.000	90	yes	cpap		18	97.3	07:00:00.000	95.6	1.8	29	yes	no	mask_leak	claustrophobia	red_eyes		choice2	htn dm	Telmisartan, amloc		0	100	155	91	44	120	119	30.18	14.6	42
00:00:00.000	no	cpap			7	00:00:00.000										can_not_use_throughout_life	can_not_use_throughout_life	htn depression			0	93	127	73	39	104	104	28.3	15	43.3
06:00:00.000	75	yes	cpap		9	53.6	05:30:00.000	43.2	0.1	28	no	no	dry_mouth								3	75	129	73	39	104	98	29.29	10.2	35.4
00:40:00.000	27	yes	bilevel__st	28	18	44.8	03:00:00.000	13.1	2.4	90	no	no	mask_leak	pressure_intolerance	claustrophobia						1	116	117	76	48	167	119	41.8	13.5	42
00:00:00.000	no	cpap			13	00:00:00.000										finance can_not_use_throughout_life	finance				2	45	114	86	32	66	86	15.72	14.1	42.6
00:00:00.000						00:00:00.000																	0								

| | | |

290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319
fu_cholestrol	fu_triglyceride	fu_hdl	fu_ldl	fu_vldl	fu_fbs	fu_hba1c	fu_insulin_level	fu_metabolic_score	fu_metabolic_syndrome	fu_malignancy	fu_insomnia	fu_improvement_in_near_accidents_since_baseline	fu_improvement_in_accidents_since_baseline	fu_history_of_early_morning_headache	fu_ess_total	fu_psqi_total	fu_phq9_score	fu_fss_scale	fu_cpap_perception_score	fu_any_other_comment	event_sleep_clinic_number	event_name_of_patient	event_date_of_filling_form	event_have_you_ever_been_admitted_with_sob	event_how_many_times_you_have_been_admitted_for_sob_problem	event_if_admitted_with_sob_then_when	event_hypertension_diagnosed	event_new_htn_after_how_many_years_of_diagnosis	event_DM__newly_diagnosed
153.69	179.04	31.04	86.84	35.81	93.55	6.4	41.89	3	yes	no	no_insomnia	yes		yes	9	4	2	48	10		1	Amit Saraf	2022-04-23	choice2			no		no
147.05	79.46	47.74	83.42	15.89	97.6			2	no	no	no_insomnia			yes	8	7	6	15	9	no h/o accident	7	Bhupendra chauha	2022-04-20	choice2			no		no
139.8	116.37	37.8	77.73	23.27	96.97	5.9	9.39	1	no	no	no_insomnia	no	no	no	9	5	19	51			11	MD Dongre	2022-04-22	choice2			no		no
189.15	233.62	50.71	91.72	46.72	98.48	6.1	11.17	3	yes	no	no_insomnia				20	3	9	33		no h/o accident	13	Lata verma	2023-05-01	choice2			no		yes
110	154	30	49.2	30.8	86	5	8.44	3	yes	no	no_insomnia				13	6	4	17		no h/o accident	16	Santosh bankey	2022-06-27	choice2			yes	1	no
146.39	89.69	34.73	93.72	17.94	131.58	7.4	44.61	4	yes	no	initiation_insomnia				6	13	15	36		no h/o accident	20	Anurag mishra	2022-04-25	choice2			yes	0	no
146.01	97.47	33.56	93	19.49	111	7.8	26.41	4	yes	no	no_insomnia	no			5	5	6	15		no h/o accident	27	Shailendra goyal	2022-05-21	choice2			no		no
194	93	56.9	118.5	18.6	173	8.2	12.27	3	yes	no	no_insomnia	no			1	4	0	9		no h/o accident	28	Yogendra rathore	2022-06-24	choice2			no		no
179.52	72.81	44.53	120	14.56	90.16			3	yes	no	initiation_insomnia	no			8	14	10	31			35	B.N. Shrivastav	2022-04-20	choice2			no		no
216.05	83.26	51.75	147.65	16.65	116.95	7.3	23.11	3	yes	no	no_insomnia	no	no	no	7	3	5	13			37	GK Mathur	2022-05-21	choice2			yes	4	yes
169	139	42	100	27	70	5.6	18.96	2	no	no	no_insomnia				8	2	0	13	8	no h/o accident	38	Shiv charan das	2022-04-21	choice2			no		no
159	88	44.8	96.6	17.6	241	11.9	9.16	3	yes	no	no_insomnia				3	3	0	15		no h/o accident	39	Rajiv singh	2022-07-04	choice2			no		yes
225.17	415.08	34.78	107.4	83.01	106	7.1	25.84	5	yes	no	no_insomnia	no			5	9	2	9		no h/o accident	41	Santosh joshi	2022-05-21	choice2			yes	2	yes
161.4	176.89	49.53	76.5	35.38	113	6.3	21.6	4	yes	no	no_insomnia				0	0	0	9	6	no h/o accident	43	Devendra makwan	2022-05-24	choice2			no		no
130	113	35	72.4	22.6	146	8.3	107.32	4	yes	no	no_insomnia	no	no	no	6	2	7	43	6	no h/o accident	56	Sudhir kumar agar	2022-05-14	choice2			no		no
185.97	171.82	44.12	107.49	34.36	100.09	5.8	9.91	4	yes	no	no_insomnia	no	no	no	17	4	6	20			60	Satyanarayan patel	2022-04-26	choice1	2	2022-01-01	yes	3	no
164.59	113.64	48.79	93.07	22.73	106.21	6.7	18.46	4	yes	no	no_insomnia	no	no	no	5	2	0	19			64	Leelawati kaneriya	2022-04-26	choice2			yes	7	yes
128.73	53.72	36.13	81.86	10.74	71.22	5	5.67	2	no	no	no_insomnia				1	1	5	23		no h/o accident	66	Anika sharma	2023-05-04	choice2			no		no
										no					7	9				form filled on call									
154.54	147.63	35.91	89.1	29.53	148.49	8.3	18.16	4	yes	no	initiation_insomnia	yes			11	9	9	21	21	no h/o accident	69	K. Gautam	2022-04-23	choice2			yes	5	no
199.16	258.63	36.63	110.8	51.73	247.49	12.4	25.57	4	yes	no	no_insomnia	no	no		5	8	5	25	6	Baseline h/o ac	73	Neeraj shrivastava	2023-05-23	choice2			no		no
180.97	107.87	37.24	118.46	21.57	87	5.6	18.09	3	yes	no	no_insomnia	yes			13	10	10	19		no h/o accident	78	Puneet rawat	2022-05-28	choice2			no		no
219.74	140.5	39.97	151.67	28.1	106.28	6.5	23.27	4	yes	no	no_insomnia				20	9	11	59	26	no h/o accident	79	Akash pathiya	2022-04-22	choice2			yes	4	no
119.85	85.43	42.3	60.46	17.09	116.23	6.4	6.33	4	yes	no	no_insomnia				15	4	12	24		no h/o accident	80	Rajaram Meena	2022-04-25	choice2			no		no
					134.98	7.2	5.45			no	no_insomnia				0	4	8	20		no h/o accident	82	Ravindra tiwari	2023-05-06	choice2			no		no
							7.4		no	no	no_insomnia	no	no	no	24	13	22	63		h/o accident, n	87	Arvind Mehra	2022-12-27	choice2			no		no
																				No h/o COVID									
145.74	74.98	34.3	96.44	15	99.96	5.6	12.76	2	no	no	initiation_insomnia				11	8	8	31		no h/o accident	97	HK Amar	2022-04-25	choice2			no		no
206.12	117.14	36.56	146.07	23.49	97.99	5.5	9.95	2	no	no	no_insomnia	no	no	no	0	2	0	9			98	Narendra singh ch	2022-04-26	choice2			yes	4	no
160.94	86	46.14	97.6	17.2	102.9	5.4	15.57	3	yes	no	no_insomnia			yes	5	0	0	19	7	no h/o accident	100	Dr Abhishek goyal	2022-09-09	choice2			no		no
135	99	38	89	19.74	111.01	6.4		4	yes	no	no_insomnia				21	9	0	9		no h/o accident	103	Kiran dubey	2023-02-01	choice2			no		no
186.37	99.95	46.25	120.11	19.99	85.96	6.1	8.62	0	no	no	no_insomnia				13	4	0	13		no h/o accident	112	Mansukh lal thaku	2023-05-26	choice2			no		no
79.03					89.4	6.7				no	no_insomnia				1	2	2	20	11	no h/o accident	116	Prakash chandra b	2022-05-10	choice2			no		no
151.39		47.54			112	5		3	yes	no	no_insomnia				16	10	10	31		no h/o accident	118	Ashok bharadwaj	2022-05-10	choice2			no		no
169.97		36.26			127	5.5	27.72	4	yes	no	no_insomnia				6	5	10	38	16	no h/o accident	129	Tarun moolchanda	2022-05-10	choice1	1	2020-04-01	no		no
184.71	109.05	59.17	41.82	21.81	91.39	5.9	9.97	0	no	no	no_insomnia	yes			14	8	0	14	13	no h/o accident	139	SAR Hashmi	2022-05-11	choice2			no		no
105.83	42.51	46.32	51.01	8.5	156.95	7.5	5.25	2	no	no	no_insomnia	no	no	no	4	8	3	63	11		152	AK Parmar	2022-04-29	choice2			no		no
158	129	22	110.2	25.8	193	8.3	24.2	4	yes	no	no_insomnia				11	6	7	39		no h/o accident	160	CK Khakre	2022-07-16	choice2			yes	1	no
206.71	151.55	43.21	133.19	30.31	101.64	6.3	9.98	3	yes	no	no_insomnia				6	4	3	20	37	no h/o accident	164	Anup khare	2022-04-26	choice2			no		yes
221.45	144.84	41.58	150.9	28.97	98.84	6.1	14.68	2	no	no	initiation_insomnia	no	no	no	14	8	10	57	21		172	R.K. Vaidh	2022-04-26	choice2			no		yes
222.55	105.26	53.98	147.5	21.05	86	6	16.66	2	no	no	no_insomnia				5	6	6	25		no h/o accident	174	Seema shrivastava	2022-05-23	choice2			yes	0	no
127.42		53.98	74.14		162	9.5	17.5	3	yes	no	no_insomnia				15	7	14	37		no h/o accident	175	Dilip jain	2022-05-09	choice2			no		no
165.41	249.86	40.62	74.8	49.97	83	5.3	6.14	2	no	no	initiation_insomnia	no		no	7	14	17	56		no h/o accident	176	Surendra meena	2022-05-26	choice2			no		no
213.04	156.81	39.78	141.9	31.36	99.12	5.4	25.84	3	yes	no	no_insomnia				7	5	3	39	21	no h/o accident	178	Manish Jawalkar	2022-04-27	choice2			no		no
173.52	88.59	36.75	119.05	17.72	108.85	6.9	12.01	4	yes	no	no_insomnia				14	5	15	38		no h/o accident	180	Sukhdev mahajan	2022-04-27	choice2			yes	5	no
167	154	31.2	105	30.8	168	10.7	12.38	5	yes	no	no_insomnia				9	5	4	54		no h/o accident	193	Shyam sunder silo	2022-06-28	choice2			yes	5	no
235	779	47.2	155.8	32	91	5.1	7.15	2	no	no	no_insomnia			no	7	8	8	11		no h/o accident	195	Sheelesh sharma	2022-07-01	choice2			no		no
133.02	134.13	32.5	73.7	26.83	92	6.2	13.63	2	no	no	no_insomnia				1	2	0	9		no h/o accident	198	Santosh kumar	2022-05-23	choice2			no		no
136	158	24.5	79.9	31.6	99	6.6	21.9	3	yes	no	no_insomnia				3	2	0	18	6	no h/o accident	202	Pankaj joshi	2022-05-23	choice2			no		no
316.91	124.21	59.51	232.56	24.84	101.86	6.6	13.22	2	no	no	no_insomnia	no	no	no	8	11	5	12	8		212	Raghu singh chauh	2022-04-27	choice2			no		yes
221.41	184.4	66.17	118.69	36.88	100	5.6	15.53	3	yes	no	no_insomnia				3	4	1	22		no h/o accident	216	Vinod kumar pushy	2022-05-13	choice2			no		no
112.44	85.78	48.48	46.8	17.16	150	10.6	91.41	4	yes	no	no_insomnia				17	4	1	26	6	no h/o accident	221	Anita vasudevan	2022-05-26	choice1	1	2014-01-25	no		no
94.15	94.22	35.19	40.12	18.84	94	5.9	13.84	4	yes	no	no_insomnia	yes			13	1	1	20		no h/o accident, headaches, nea	223	Sanjay v bhimpay	2022-05-27	choice1	1	2021-08-01	no		no
140.53	141.31	45.42	66.85	28.26	151.32	9.6	15.23	3	yes	no	no_insomnia				0	4	4	11	6	no h/o headach	236	Bharat sathe	2022-04-28	choice2			yes	1	yes
132.57	149.94	45.13	57.45	29.99	106.76	6.3	41.66	2	no	no	no_insomnia	no	yes	no	7	3	6	28	6	no history of ne	248	Aditya malhotra	2022-04-28	choice1	1	2021-03-29	no		no
230.31	120.12	48.61	157.68	24.04	102.84	5.7	9.06	3	yes	no	no_insomnia	yes			17	5	3	27		no h/o near acc	249	Shweta Malhotra	2022-04-30	choice2			no		no
206.52	91.52	56.27	131.87	18.38	102.5	6.2	11.14	3	yes	no	no_insomnia	no	no	no	11	4	9	19			261	Saroj goyal	2022-04-27	choice2			no		no
						5.9				no	no_insomnia	no	no	no	6	5	0	9		no h/o accident	263	Randhir singh thak	2022-06-27	choice2			no		no
188.33	76.51	50.81	122.85	15.3	93.83	5.5	4.18	0	no	no	no_insomnia	no	no	no	11	4	0	17			265	Lakhan singh	2022-04-28	choice2			no		no
142.15	93.98	40.71	82.64	18.8	90	6.2	4.89	2	no	no	no_insomnia				3	8	3	56		no h/o accident	273	KL Thomas	2022-06-02	choice2			no		no
90.91		32.37	46.37		118	8.1	12.8	4	yes	no	no_insomnia				12	5	2	33		no h/o accident	276	Kashi ram choukse	2022-05-09	choice1	1	2021-07-01	no		no
222.81	366.87	45.05	104.39	73.37	107.37	6.7	13.21	5	yes	no	no_insomnia				0	3	11	45	16	no h/o accident	278	Amita shrivastav	2022-04-29	choice2			no		no

218.67	124.87	58.76	134.94	24.97	207.93	11.3	7.22	3	yes	no	no_insomnia	no	no	no	3	8	7	54	8	no history of ac	279	Usha Sinha	2022-05-11	choice2			no	no
145.19	109.03	42.81	80.57	21.81	110.05	6.5	6.43	3	yes	no	no_insomnia	no	no	no	9	3	1	31		No h/o accident	281	Shyam Manthanya	2022-05-11	choice2			no	no
192.24	250.54	42.71	99.42	50.11	107.6	7	25.65	4	yes	no	no_insomnia				18	11	5	15		no h/o accident	283	Raj kishore chaudh	2022-04-28	choice2			yes	5	no
172.21	42.51	45.15	118.56	8.5	124.84	6.4	8.93	2	no	no	no_insomnia				3	4	2	12		no h/o accident	285	LN Parmar	2022-04-29	choice1	1	2008-02-17	no	no
132.97	114.5	29.87	80.2	22.9	113.04	6.5	17.7	4	yes	no	no_insomnia				0	1	2	17		no h/o accident	286	Hariom chaurasiya	2022-04-28	choice2			no	no
145	100	39.4	85.6	20	123	6.8	30.87	4	yes	no	no_insomnia	yes			8	4	3	15	14	no h/o headach	288	RK Dwivedi	2022-06-23	choice2			no	no
204.34	151.22	46.3	127.76	30.24	97	5.7	7.36	4	yes	no	no_insomnia	no	no	no	10	2	8	38		no h/o acidents	291	Shilpi gupta	2022-05-13	choice1	1	2016-01-01	yes	1	no
262	151	60	198	30.2	101.78	6.8	20.9	4	yes	no	no_insomnia				13	6	9	51		no h/o accident	293	Shobha pathak	2023-05-10	choice2			no	no
78.91	106.39	28.33	29.3	21.28	112.9	7.3	16.08	4	yes	no	no_insomnia	no	no	no	5	5	8	31			294	Deepak Chouksey	2022-04-30	choice2			no	no
181.43	105.56	49.58	112.29	21.11	77.3	6.2	34.35	2	no	no	no_insomnia				10	4	20	32	13	no h/o accident	295	Kamad prasad misl	2022-05-27	choice2			no	no
165.49	103.57	43.35	101.43	20.71	107.41	6.3	17.17	2	no	no	no_insomnia			yes	0	4	0	9	8	no h/o accident	300	Neeraj agarwal	2022-04-30	choice2			no	yes
164.72	91.07	36.01	110.5	18.21	99.8	7.3	5.95	3	yes	no	no_insomnia	no	no	no	8	4	4	18			302	Ashok kumar pand	2022-04-28	choice2			no	no
187	166	33.8	120	33.2	86	5.8	26.8	4	yes	no	no_insomnia				10	6	14	45		no h/o accident	304	Gaurav jain	2022-06-27	choice2			no	no
150	219	42	89	43.8	88.55	7.5	23.55	4	yes	no	no_insomnia				0	1	1	9	6	no h/o accident	307	C.P.Pathak	2023-05-10	choice2			no	no
	100	58			60.8	5.8		2	no	no	no_insomnia		yes	yes	8	4				h/o accidents, morning headaches present, no h/o near accidentsform filled on call								
174.43	83.69	42.25	115.44	16.74	102	5.5	9.73	4	yes	no	no_insomnia				9	6	8	40		no h/o accident	328	Kala gathe	2022-05-13	choice2			no	no
185.39	137.53	36.58	121.3	27.51	267	8.8	22.66	4	yes	no	no_insomnia			yes	4	4	4	38	8	no h/o accident	331	Alka tiwari	2022-05-09	choice1	2	2015-01-01	yes	4	no
185.39	137.53	36.58	121.3	27.51	141	8.8	6.15	4	yes	no	no_insomnia		yes		2	2	1	12		no h/o headach	332	Surender singh bag	2022-05-09	choice2			no	no
181.87		36.54	126.89		146	5.9	9.62	3	yes	no	no_insomnia	no	no	no	7	3	0	10		no history of ac	334	Ramayan Prasad	2022-05-09	choice2			no	no
211.97	203.25	34.69	136.63	40.65	84.36	5.8	21.99	4	yes	no	no_insomnia				8	8	17	55		no h/o accident	336	Ganesh prasad asa	2023-06-05	choice2			yes	0	no
221	207	42	137	41.4	107	5.9	7.7	3	yes	no	no_insomnia				16	9	10	33	6	no h/o accident	340	Sanjay singh	2022-07-06	choice2			no	no
					99	5.4	4.7			no	no_insomnia				2	4	6	33	17	no h/o accident	348	AK Mishra	2022-11-20	choice2			no	no
										no	no_insomnia			yes	2	7	3	9	6	no h/o accident	349	Sadan kumar	2022-12-22	choice2			no	no
181	119	35.2	122	23.8	85	5.1	19.81	2	no	no	no_insomnia			yes	6	5	7	24	11	no h/ accidents,	352	Sandeep kumar	2022-06-11	choice2			no	no
166.41	83.41	55.98	96.52	16.7	84.54	6	3.3	0	no	no	no_insomnia				12	8	2	9		no h/o accident	359	Moolchand singh	2022-07-23	choice2			no	no
153	134	39.6	86.6	26.8	96	7.6	18.41	4	yes	no	no_insomnia		no		14	4	0	10		no h/o accident	363	Mahendra kumar s	2022-07-04	choice2			no	yes
129.84	134.66	30.04	72.87	26.93	93.56	6.2	18.33	2	no	no	no_insomnia			yes	10	6	14	28		no h/o accident	364	Chiman lal arya	2022-04-02	choice1	4	2021-01-01	no	no
174.92	93.27	47.07	109.2	18.65	87.97	5.8	8.07	1	no	no	no_insomnia			yes	16	3	9	56		no h/o accident	371	Rajkumar Pardasar	2023-05-16	choice2			no	no
172.62	164.26	40.25	99.52	32.85	141.16	8.2	13.91	4	yes	no	no_insomnia	no			13	6	3	20		no h/o accident	374	Alok malviya	2022-05-11	choice1	1	2015-01-01	no	no
215.85		47.4			128	5.6	136.65	2	no	no	no_insomnia				11	3	0	9		no h/o accident	375	Mahendra kumar s	2022-05-10	choice2			no	no
157.03	54.33	57.5	88.6	10.87	92.95	6.1	5.87	2	no	no	no_insomnia	yes			8	2	1	9		no h/o accident	384	Ram prakash ratho	2022-05-11	choice2			yes	3	no
168.74	123.21	31.82	112.28	24.64	139	6.9	19.79	3	yes	no	no_insomnia			yes	10	4	5	63	10	No h/o accident	387	Surekha yadav	2022-05-14	choice2			no	no
										yes																			
120.54	168.53	59.17	103.73	21.81	138.36	8	12.07	4	yes	no	no_insomnia	yes			11	3	0	22	6	no h/o accident	391	Rajiv lochan dubey	2022-05-11	choice2			no	no
150.24	66.96	51.72	85.1	13.39	103	6.4	12.35	3	yes	no	no_insomnia	no	no	no	3	4	8	45		No h/o accident	394	NP Singh	2022-05-25	choice1	1	2022-01-01	no	no
202.84	186.31	57.07	128.59	37.26	114.7	6.5	11.4	4	yes	no	no_insomnia				4	7	1	10		no h/o accident	397	Dr Sudhir Rathore	2022-09-10	choice2			yes	1	no
140.93	80.99	55.2	69.53	16.2	81.2	5.9	20.8	2	no	no	no_insomnia	yes			5	4	0	12	6	no h/o accident	398	Sanjeev kapor	2022-05-11	choice2			no	no
187.59	104.22	50.77	115.96	20.84	108.38	6.9	25.45	3	yes	no	no_insomnia				3	4	0	9	6	no h/o accident	403	Bal Raj Sahani	2023-05-16	choice1	2	2017-05-17	no	no
175.47	214.04	33.95	98.71	42.81	106	6.6	26.96	5	yes	no	no_insomnia	no	yes	yes	0	3	0	21	24	h/o accident-1,	405	Sanjay gupta	2022-05-20	choice2			no	no
190.64	134.33	36.3	127.47	26.87	104.53	6.1	20.02	4	yes	no	no_insomnia			yes	0	4	0	15	6	no h/o accident	406	R.K.Patidar	2022-05-11	choice2			no	no
78	60	21.4	44.6	12	155	8.4	43.95	4	yes	no	no_insomnia			yes	4	1	2	9	6	no h/o accident	412	Mohd Shafiq	2022-06-30	choice2			no	no
197.71	295.6	32.36	106.23	59.12	117.5	5.7	13.22	5	yes	no	no_insomnia			no	9	4	8	51		no h/o accident	413	Sapan khare	2022-06-02	choice2			yes	1	no
160	119	42.2	94	23.8	94	5.9	17.63	0	no	no	no_insomnia	yes		no	10	13	21	23		no h/o accident	414	Prashant soni	2022-06-21	choice2			no	no
191.71	111.03	50.14	119.36	22.21	88	6.1	19.7	3	yes	no	no_insomnia				0	7	4	9	6	no h/o accident	421	Janki Raghuwanshi	2023-01-19	choice1	1	2017-03-01	yes	2	yes
135.8	91.3	39.7	77.8	18.26	96.05	6.4	7.39	1	no	no	no_insomnia			yes	7	16	6	21	13	no h/o accident	426	Gauri shankar lowa	2022-06-03	choice2			yes	1	no
140.96	61.25	37.09	91.62	12.25	88.73	5.7	5.65	1	no	no	no_insomnia				2	4	0	9		no h/o accident	437	Dinesh rawat	2022-05-26	choice2			no	no
142.89	167.06	40.51	68.97	33.41	140	7.3	22.91	4	yes	no	initiation_insomnia			no	15	15	9	57		no h/o accident	442	Deepak kumar sriv	2022-05-11	choice2			yes	3	yes
120	142	45.9	45.7	28.4	108	7.1	15.62	3	yes	no	no_insomnia	no	no	no	18	3	0	15		no h/o accident	445	NK Malviya	2022-06-14	choice2			no	no
182	201	52.3	89.5	40.2	156	9.5	22.47	4	yes	no	no_insomnia	no	no		20	8	17	63		no h/o headach	446	KN Malviya	2022-06-14	choice2			no	no
203.07	134.37	42.27	133.35	26.87	86	5.7	20.58	2	no	no	no_insomnia			yes	3	3	1	11	6	no h/o accident	449	Bhavna mafidar	2022-05-26	choice2			no	no
155.78	220.33	48.76	86.52	44.08	80	5.6	10.35	4	yes	no	no_insomnia	no	no	no	10	7	0	11		no h/o accident	451	Bindu raghuvanshi	2022-05-26	choice2			no	no
130.05	256.33	37.41	41.37	51.27	89	5.8	19.92	3	yes	no	no_insomnia			no	10	9	13	51	12	no h/o accident	459	Pushpa	2022-05-17	choice2			no	no
136	148	48	77	29.6	86.43	6.5	15.01	2	no	no	no_insomnia	no	no	no	13	6	6	59		no h/o accident	466	Gyasuddin Ahmad	2022-05-11	choice2			no	no
189	102	44	133	20.44		5.6				no	no_insomnia	no	no	no	24	7	7	21		no h/o accident	469	Bharat bhushan sh	2023-01-06	choice2			no	no
204	216	34	126.8	43.2	92	6.5	22.52	3	yes	no	no_insomnia				4	3	6	26	10	no h/o accident	470	Lakhan kuchbandiy	2022-06-13	choice1	8	2012-01-25	no	yes
136.75		43.66	76.69		213	8.8	18.69	3	yes	no	maintenance_insomnia			yes	4	9	7	57	14	no h/o accident	472	Rajendra nagaria	2022-05-09	choice1	2	2021-11-01	no	yes
196.93		35.38			217.82	4.9	11.37	4	yes	no	no_insomnia				4	7	1	11	11	no h/o accident	475	Sodan singh rathor	2022-05-17	choice2			no	no

137.37	86.73	49.64	70.38	17.35	106.17	6.6	14.66	2	no	no	no_insomnia				4	2	0	9	no h/o accident	484	Vijay kumar saxena	2022-05-12	choice2		no	no			
165.8	122.72	29.97		24.54	96.3	6.1	25.96	3	yes	no	initiation_insomnia	no			8	10	17	53	no h/o accident	489	RK Goyal	2022-05-28	choice2		yes	1	no		
195	94	48.5	127.7	18	98	5.9	6.9	4	yes	no	no_insomnia				9	9	0	13	no h/o accident	491	Meera wadhwani	2022-05-13	choice2		no	no			
199.53	131.57	44.8		26.23	103	5.9	7.96	3	yes	no	initiation_insomnia			no	3	15	9	19	no h/o accident	499	Nirmala shukla	2022-05-31	choice2		no	no			
109.27	119.92	37.81	47.48	23.98	105.39	6.9	35.65	3	yes	no	no_insomnia				18	8	2	57	6	no h/o accident	500	Dasrath raikwar	2022-05-12	choice1	3	2022-01-01	no	no	
192.8	78.96	48.27	128.74	15.79	134	6.5	11.96	4	yes	no	no_insomnia				6	5	8	17	no h/o accident	504	Vinita rajput	2022-05-13	choice2		yes	1	yes		
186.77	174.56	43.95	107.91	34.91	87.39	5.5	9.22	2	no	no	no_insomnia	yes			0	5	10	9	6	no h/o accident	506	Harpreet singh kun	2023-05-17	choice1	1	2018-05-21	no	no	
146.31	114.33	51.72	71.72	22.87	91.87	5.8	26.94	2	no	no	no_insomnia	no			10	10	20	63	no h/o accident	507	Hemant kumar jain	2022-05-12	choice2		no	no			
										no	initiation_insomnia			no	12	11	8	9	19	no h/o accident	516	Daraksha	2022-06-27	choice2		no	yes		
195	102	47.4	127.2	20.4	88	6.5	5.91	3	yes	no	no_insomnia				2	2	4	14	15	no h/o accident	519	Leela devi ahirwar	2022-06-14	choice2		no	no		
213	148	41.3	142.1	29.6	94	6.2	21.82	2	no	no	no_insomnia	no	no	no	7	7	1	30	0	no h/o accident	523	Sujoy aich	2022-06-18	choice2		no	no		
202	212	32.3	127.3	42.4	101	6	8.51	4	yes	no	no_insomnia				5	2	2	36	no h/o accident	526	Tushar naik	2022-06-10	choice2		no	no			
138.54	94.19	58.93	60.77	18.84	108	6	11.74	3	yes	no	no_insomnia				4	12	2	27	no h/o accident	527	S.K.Sharma	2022-05-13	choice2		no	no			
131	82	31.5	83.1	16.4	94	5.1	11.39	2	no	no	no_insomnia				14	5	11	42	no h/o accident	529	Rajneesh singhai	2022-06-21	choice2		no	no			
144	97	41.5	83.1	19.4	101	5.9	16.05	4	yes	no	no_insomnia				2	4	1	9	6	no h/o accident	530	Sanjay kumar mahi	2022-06-07	choice1	1	2021-11-01	no	no	
																					539	Vijay kumar meena	2022-06-18	choice1	5	2007-01-15	yes	2	yes
211.77		35.43			111	6.7	28.69	4	yes	no	no_insomnia	no	no	no	6	1	2	10	no h/o accident	541	Navin kumar bhart	2022-05-14	choice2		no	no			
149	188	34.8	76.6	37.6	91	6.3	15.22	4	yes	no	no_insomnia	yes			15	3	0	9	10	no h/o accident	546	GK Chandak	2022-07-04	choice2		yes	2	no	
164	173	33.1	96.3	34.6	97	6	48.03	4	yes	no	no_insomnia				10	3	3	9	no h/o accident	549	Shashikant gupta	2022-06-18	choice2		yes	0	no		
84.85	251.53	13.05	21.49	50.31	139.04	8.2	9.7	5	yes	no	no_insomnia	no			12	10	9	43	no h/o accident	553	Sanjay gupta	2022-11-18	choice1	1	2022-11-08	no	no	
128	67	59.6	55	13.4	99	5.9	15.97	3	yes	no	initiation_insomnia				8	11	0	12	28	no h/o accident	558	Manjeet lal katyal	2022-06-25	choice2		no	no		
197	152	47	119.6	30.4	101	5.8	13.89	4	yes	no	no_insomnia				10	8	0	11	no h/o accident	560	Dilip kumar mando	2022-06-28	choice2		no	no			
159	115	30.9	105.1	23	96	6.5	20.59	2	no	no	no_insomnia	yes			1	4	3	19	10	no h/o accident	563	Pawan kumar idna	2022-06-06	choice2		no	no		
147.3	134.56	34.73	85.66	26.91	82	5.9	7.94	3	yes	no	no_insomnia		yes		5	3	0	9	10	no h/o, near ac	566	K. Kodeeshwaran	2022-06-03	choice1	1	2021-11-13	yes	4	no
154	215	27.3	83.7	43	210	11.1	60.96	4	yes	no	no_insomnia	yes			7	11	7	43	13		568	Deependra agarwa	2022-06-06	choice2		no	yes		
130.4	120.32	39.44		24.06	149	7.6	8.53	4	yes	no	no_insomnia				2	13	8	60	no h/o accident	576	Manakchand chou	2022-05-28	choice1	2	2018-12-01	no	no	
144.35	160.37	28.6	83.68	32.07	114	7.2	33.12	5	yes	no	no_insomnia				5	1	0	9	6	no h/o accident	577	Rambachan singh	2022-05-17	choice2		no	no		
127.35	52.48	73.19	43.66	10.5	97.4	5.9	9.44	2	no	no	initiation_insomnia				2	10	21	30	20	no h/o accident	585	SK Majumdar	2022-05-17	choice2		yes	0	no	
126.11	133.63	28.05	80.58	26.73	93	5.5	11.2	1	no	no	no_insomnia				12	6	19	37	17	no h/o accident	587	Rajkumar solanki	2022-05-27	choice2		no	no		
177.8	253.83	32.92	94.1	50.77	91	5.9	16.01	4	yes	no	no_insomnia	no	no	no	8	3	2	33	no h/o accident	595	Nalwade rohit dilip	2022-05-25	choice2		no	no		
158.32	131.11	37.34	94.76	26.22	108	6	22.97	4	yes	no	no_insomnia			yes	7	7	1	57	21	no h/o accident	596	Shashi Ranjan	2022-05-19	choice2		no	no		
160.18	192.39	35.55	86.15	38.48	98.2	5.8	7.94	4	yes	no	no_insomnia				19	17	21	63	no h/o accident	597	Shahbano	2023-03-10	choice2		no	no		
181.83	241.56	31.09	102.4	48.31	94	5.5	52.25	4	yes	no	initiation_insomnia	no	no	no	5	11	1	18	no h/o accident	603	RN Verma	2022-05-18	choice2		no	no		
236.52	379.21	43.43		75.84	112	6.3	42.53	3	yes	no	no_insomnia	yes	no	yes	1	6	11	21	13	no h/o accident	606	Vipin chouksey	2022-05-30	choice2		no	no		
199.08	104.78	38.83	139.29	20.96	121.37	7.3	16.6	4	yes	no	no_insomnia		no	no	0	10	6	20	h/o accidents a	611	Neelkamal gupta	2023-05-26	choice2		no	no		
119.57	111.9	42.36	54.83	22.38	97	6.1	12.74	1	no	no	no_insomnia			no	12	3	11	23	no h/o accident	612	Sushil kumar tiwari	2022-05-18	choice2		no	no		
122.72	98.92	46.39	54.55	19.78	85	6.4	16.66	2	no	no	no_insomnia	no			19	3	5	19	no h/o accident	615	Rajkamal shrivasta	2022-05-17	choice2		no	no		
102.28	81	43.23	42.9	16.2	99.5	5.3	13.43	2	no	no	no_insomnia			no	6	11	7	10	no h/o accident	618	Chandra shekhar cl	2022-05-20	choice2		no	no		
196.36	84.33	49.43	130.1	16.87	88	6.1	5.41	1	no	no	no_insomnia			yes	7	4	2	15	8	no h/o accident	619	Kashi prasad sharn	2022-05-19	choice2		no	no		
145.66	221.18	34.9	66.5	44.23	84	5.1	12.68	3	yes	no	no_insomnia				7	1	1	9	no h/o accident	623	Anil kumar patel	2022-05-21	choice2		no	no		
164.66	111.9	49.72	92.6	22.38	89	7.1	9.39	2	no	no	no_insomnia				8	2	2	9	no h/o accident	624	Usha sharma	2022-05-23	choice2		no	no		
214.73	158.01	50.45	132.7	31.6	84	6.2	24.01	3	yes	no	no_insomnia	yes			6	2	2	15	6	no h/o accident	626	Devendra Thakur	2022-05-19	choice2		no	no		
165	113	39.6	102.8	22.6	187	9	24.46	4	yes	no	no_insomnia	no	no	no	5	0	0	9	no h/o accident	627	Rajeev shrivastava	2022-06-28	choice2		no	yes		
141.49	144.47	32.55	80.05	28.89	94	5.2	5.23	1	no	no	no_insomnia				5	4	1	30	no h/o accident	644	Jobinder singh sain	2022-06-02	choice2		no	no		
179.26	181.27	36.65	106.36	36.25	99.78	7.3	5.62	4	yes	no	no_insomnia		yes		3	10	7	63	10	no h/o near acc	645	Rakesh sharma	2022-04-28	choice2		no	yes		
247.48	294.87	50.2	138.31	58.97	136.89	9.3	10.15	2	no	no	maintenance_insomnia			no	8	12	10	40	no h/o accident	647	Ram Naresh Bhuar	2023-05-23	choice2		no	no		
163.01	134.22	45.84	90.33	26.84	144	7.3	29.38	4	yes	no	no_insomnia			yes	5	5	7	12	15	no h/o accident	657	Rita james	2022-05-21	choice2		no	yes		
158.2	132.15	68.01	63.76	26.43	114.62	6.3		3	yes	no	no_insomnia			yes	6	1	1	15	24	no h/o accident	659	Rosemary B Magin	2023-03-31	choice2		no	no		
108	101.55	32.31	55.4	20.31	106	5.5	8.4	3	yes	no	initiation_insomnia	no	no	no	2	14	7	18	no h/o accident	669	Jitendra singh chau	2022-06-01	choice1	1	2018-01-01	no	no	
170.59	66.06	53.18	104.1	13.21	75	5.7	1.89	1	no	no	maintenance_insomnia				4	12	15	63	no h/o accident	670	Bala prasad	2019-07-22	choice1	4	2019-07-05	no	no	
165.39	104.91	34.19	110.25	20.98	141	7.3	22.72	3	yes	no	no_insomnia			no	7	9	13	63	no baseline H/C	673	Pratibha Mittal	2022-05-18	choice2		no	yes		
					119	5.1	17.49	3	yes	no	no_insomnia				9	3	2	58	no h/o accident	677	P Krishna Reddy	2022-07-02	choice1	3	2016-01-01	no	no	
180.68	438.48	32.32	60.6	67.7	96	6.1	27.85	4	yes	no	no_insomnia				5	3	0	17	no h/o accident	682	Vinod bharti	2022-05-19	choice2		yes	2	no		
167	95	48.2	99.8	19	95	5.2	12.94	3	yes	no	no_insomnia				2	4	1	37	no h/o accident	688	Sangeeta gupta	2022-06-04	choice2		no	no		
205.15	188.93	47.48	119.88	37.79	157	6.3	37.92	4	yes	no	no_insomnia				3	4	8	13	10	no h/o accident	695	B.k sharma	2022-05-14	choice1	3	2019-01-01	yes	1	no
198.3	251.3	41	107.4	50.26	190.5	8.8	3.8	4	yes	no	no_insomnia	yes	yes		8	5	7	54	16		696	Nashir Ahsan	2022-07-02	choice2		no	no		
175.49	115.26	56.07	96.4	23.05	94	6	8.99	1	no	no	no_insomnia				2	4	0	9	no h/o accident	699	Rukmani tiwari	2022-05-26	choice2		no	no		
210.74	203.47	43.37	126.68	40.69	133	7.2	21.68	4	yes	no	no_insomnia	yes			2	4	4	19	10	no h/o headach	706	Avinash kastwar	2022-06-01	choice2		no	no		
187.7	181.73	31.82	119.53	36.35	108	5.2	20.14	4	yes	no	initiation_insomnia				6	10	10	42	no h/o accident	712	Sumit sarathe	2022-06-01	choice2		no	no		
171	82	51	103	16.4	97	6.6	11.78	1	no	no	no_insomnia			yes	6	9	8	45	6	no h/o accident	713	Pancham lal	2022-06-06	choice2		no	no		
204	185	34.3	132.7	37	150	8.9	37	4	yes	no	no_insomnia		no		14	8	8	15	34	no h/o accident	714	Mukesh srivastava	2022-06-04	choice2		no	no		
186	111	53.9	109.9	22.2	102	6.1	2.75	1	no	no	no_insomnia				4	7	1	9	no h/o accident	722	Harnam singh	2022-07-06	choice1	2	2019-11-24	no	no	

107.16	162.77	27.07	47.54	32.55	119	8.9	133.54	5	yes	no	no_insomnia	yes			14	15	24	59	18	no h/o accident	738	Murari yadav	2022-06-02	choice2		no	no
145	84	45	65	16.93	83	5.7	18.47	2	no	no	no_insomnia				9	8	8	13	33	no h/o accident	739	Sunil kumar rabun	2022-06-16	choice2		no	no
281	243	52.3	180.3	48.4	128	9.2	19.47	4	yes	no	initiation_insomnia			no	17	14	25	63		no h/o accident	743	Sharda devi malviy	2022-06-22	choice2		no	no
237.86	153.41	53.97	153.21	30.68	112.8	6.2	18.14	4	yes	no	no_insomnia				4	2	3	9		no h/o accident	744	Zahid anwar	2022-06-02	choice1	1 2022-03-10	yes	0	no
169	185	28.5	103.5	37	86	5.1	14.01	4	yes	no	no_insomnia			no	3	3	8	48		no h/o accident	753	Md Samee	2022-06-11	choice2		no	no
141.42	96.51	26.01	94.88	19.3	103.39	5.7	9.9	3	yes	no	no_insomnia				16	8	2	9		no h/o accident	757	Dilip chouhan	2022-07-30	choice2		no	no
204	110	49	102	22	102	5.9	14.05	2	no	no	no_insomnia			yes	13	2	0	9	13	no h/o accident	760	Kailash Pohwani	2022-06-25	choice2		no	no
142	264	27.5	61.7	52.8	100	6.5	13.07	4	yes	no	no_insomnia	yes		yes	5	8	14	18	33	no h/o accident	763	Muinuddin qureshi	2022-06-04	choice2		no	yes
98	83	28.1	53.3	16.6	88	6.2	12.51	3	yes	no	no_insomnia				5	5	1	20	9	no h/o accident	767	Manoj khalkho	2022-06-20	choice2		no	no
113	85	28.6	67.4	17	95	5.6	24.8	3	yes	no	no_insomnia	yes		yes	14	4	14	52		no h/o accident	769	Basant soni	2022-06-08	choice2		yes	0	no
153	86	54.9	80.9	17.2	118	7	19.08	2	no	no	no_insomnia				17	3	0	36		no h/o accident	776	Kusum mundde	2022-07-05	choice2		no	no
186	187	28.4	120.2	37.4	100	6.1	10.1	5	yes	no	no_insomnia				3	4	1	57		no h/o accident	782	Kamla bai	2022-07-16	choice1	1 2020-03-14	no	no
166	147	33.4	103.2	29.4	95	5.7	8.03	1	no	no	no_insomnia	yes		yes	1	4	0	22	29	no h/o accident	792	Pallav sahu	2022-06-16	choice2		no	no
233	359	38	123	71.8	357	13.4	16.48	5	yes	no	no_insomnia			yes	7	5	12	42	10	no h/o accident	793	Vina shrivastava	2022-06-11	choice2		no	no
189	177	45.8	107.8	35.4	97	5.8	6.3	5	yes	no	no_insomnia				5	8	2	15	45	no h/o accident	794	Sampat bai	2022-07-12	choice2		no	no
214	128	47.2	141.2	25.6	82	5.8	14.79	2	no	no	no_insomnia				3	4	0	24		no h/o accident	796	Meena ahirwar	2022-06-20	choice2		no	no
160	193	35.9	85.5	38.6	88	5.3	9.5	2	no	no	no_insomnia				4	7	3	24		no h/o accident	799	Krishna rao	2022-06-17	choice2		no	no
225.7	399	48.8	97.1	79.8	329	13.1	13.3	3	yes	no	no_insomnia				9	6	9	63	18	no h/o accident	800	Anil saini	2022-07-11	choice2		no	yes
188	167	56.9	97.7	33.4	84	5.8	10.01	3	yes	no	no_insomnia				10	7	15	57	31	no h/o accident	803	Kalawati	2022-06-13	choice2		no	no
19	90	30.1	120.9	18	90	5.9	14.75	2	no	no	no_insomnia				14	3	22	63		no h/o accident	811	Richa singh	2022-07-06	choice2		no	no
142	167	31.1	77.5	33.4	102	6.1	12.1	4	yes	no	no_insomnia			yes	4	5	24	53	24	no h/o accident	814	Gaurab choubey	2022-07-16	choice2		no	no
181	135	58.8	95.2	27	101	5.5	13.5	3	yes	no	initiation_insomnia			yes	2	13	7	31	19	no h/o accident	815	Minakshi Khaira	2022-06-11	choice1	1 2021-06-12	no	yes
103	92	33	51.6	18.4	94	6.4	27.55	4	yes	no	no_insomnia	yes		yes	3	4	2	9	11	no h/o accident	820	MM Dutta	2022-06-15	choice2		no	no
198	222	32.4	121.6	44	79	5.7	19.16	3	yes	no	no_insomnia				0	4	0	25	5	no h/o accident	821	Manish Dabade	2022-06-13	choice2		no	no
191	139	44	119	27.8	100	6.6	10.45	4	yes	no	no_insomnia				7	3	7	18	28	no h/o accident	824	Anita Jain	2022-06-25	choice1	1 2022-05-10	no	no
102	76	47.1	39.7	15.2	122	6.9	17.1	3	yes	no	no_insomnia				2	3	3	23	6	no h/o accident	825	R.B.L shrivastava	2022-07-08	choice2		no	yes
233	145	41.8	162.2	29	148	7.8	12.05	4	yes	no	no_insomnia				10	5	4	9	10	no h/o accident	832	Jyoti saxena	2022-06-11	choice1	1 2021-01-22	no	no
212	121	55.1	132.7	24.2	83	6.3	17.39	2	no	no	no_insomnia				6	11	2	58	26	no h/o accident	839	Madhu khandel	2022-06-08	choice2		yes	0	no
173	101	44.8	108	20.2	99	6.2	10.57	3	yes	no	no_insomnia				7	6	0	10		no h/o accident	840	Munni devi shrivas	2022-06-28	choice1	1 2021-09-13	no	no
167.03	157.33	35.66	99.9	31.47	95.6	5.9	13.84	3	yes	no	initiation_insomnia				0	18	21	57		no h/o accident	841	Reena devi rao	2023-06-05	choice2		no	no
154	127	41.6	87	25.4	114	6.4	9.79	4	yes	no	initiation_insomnia			yes	4	9	14	45	30	no h/o accident	843	Parveen sultan	2022-06-08	choice1	1 2021-08-20	yes	0	no
204.1	104	38.7	189.1	20.8	88	6.4	31.23	3	yes	no	no_insomnia			no	18	4	11	63		no h/o accident	844	I.K.Upnare	2022-06-10	choice2		yes	0	no
199	362	35.9	90.7	72.4	160	8.4	17.67	5	yes	no	no_insomnia				14	8	10	54	18	no h/o accident	847	Pooja rajput	2022-06-15	choice1	1 2021-04-07	no	no
217	104	42	154	21	91	5.5	12.76	1	no	no	no_insomnia	yes	yes	yes	7	3	0	17	13	accidents -2, ne	850	P. Rama Mohana R	2022-06-06	choice2		no	no
167	103	51.9	94.5	20.6	95	5.7	6.04	2	no	no	no_insomnia		yes		10	4	0	11	6	no h/o near acc	864	Niranjan Sharma	2022-06-18	choice2		no	no
182.36	141.8	48.29	105.71	28.36	126			4	yes	no	no_insomnia				4	5	3	25	9	no h/o accident	865	Manju mandal	2023-02-06	choice2		no	no
150	110	55.7	72.3	22	89	7.1	24.93	2	no	no	no_insomnia			yes	1	8	4	52	10	no h/o accident	866	Manju Saxena	2022-06-08	choice1	20 1988-01-07	no	no
116	98	23.3	73.1	19.6	81	4.9	3.79	1	no	no	no_insomnia				4	6	3	9		no h/o accident	870	Santosh kumar	2022-06-08	choice2		no	no
204	257	33.5	119.1	51.4	90	6.6	6.1	5	yes	no	no_insomnia				11	5	18	50	10	no h/o accident	955	Kranti bai	2022-07-18	choice1	1 2021-11-12	no	no

320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335
event_DM_after_how_many_years_of_diagnosis	event_CAD_newly_diagnosed	event_CAD_after_how_many_years_of_diagnosis	event_CVA_newly_diagnosed	event_CVA_after_how_many_years_of_diagnosis	event_Depression_newly_diagnosed	event_Depression_after_how_many_years_of_diagnosis	event_vehicular_near__accidents	event_number_of_near_accidents_after_diagnosis	event_Vehicular_accidents_	event_no_of_accidents_after_diagnosis	event_any_other_complications	insulin_sleep_clinic_number	insulin_fbs	insulin_insulin_level	insulin_homa_ir
	no		no		no		no		no			1	93.55	41.89	9.7
	no		no		no		no		no			7	97.6		
	no		no		no		no		no		early morning	11	96.97	9.39	2.2
8	no		no		no		no		no			13	98.48	11.17	2.7
	no		no		no		no		no			16	86	8.44	1.8
	no		no		no		no		no			20	131.58	44.61	14.5
	no		no		no		no		no			27	111	26.41	7.2
	no		no		no		no		no			28	173	12.27	5.2
	no		no		no		no		no			35	90.16		
4	yes	6	no		no		no		no			37	116.95	23.11	6.7
	no		no		no		no		no			38	70	18.96	3.3
2	no		no		no		no		no			39	241	9.16	5.7
7	no		no		no		no		no			41	106	25.84	6.8
	no		no		no		no		no			43	113	21.6	6
	no		no		no		no		no			56	146	107.32	36
	no		no		no		no		no			60	100.09	9.91	2.4
6	no		no		no		no		no			64	106.21	18.46	4.8
	no		no		no		no		no			66	71.22	5.67	1
	yes	5	no		no		yes	2	no			69	148.49	18.16	6.7
	no		no		no		yes	1	yes	1		73	247.49	25.57	15.6
	no		no		no		no		no			78	87	18.09	3.9
	no		no		no		no		no			79	106.28	23.27	6.1
	no		no		no		no		no			80	116.23	6.33	1.8
	no		no		no		no		no			82	134.98	5.45	1.8
	no		no		no		yes	2	no			87		7.4	
	no		no		no		no		no			97	99.96	12.76	3.1
	no		no		no		no		no			98	97.99	9.95	2.4
	no		no		no		no		no			100	102.9	15.57	3.9
	no		no		no		no		no			103			
	no		no		no		no		no			112	85.96	8.62	1.8
	no		no		no		no		no			116	89.4		
	no		no		no		no		no			118	112		
	no		no		no		no		no			129	127	27.72	8.7
	no		no		no		no		no			139	91.39	9.97	2.2
	no		no		no		no		no			152	156.95	5.25	2
	no		no		no		no		no			160	193	24.2	11.5
5	no		no		no		no		no			164	101.64	9.98	2.5
5	no		no		no		no		no			172	98.84	14.68	3.6
	no		no		no		no		no			174	86	16.66	3.5
	no		no		no		no		no			175	162	17.5	7
	no		no		no		no		no			176	83	6.14	1.3
	no		no		no		no		no			178	99.12	25.84	6.3
	no		no		no		no		no			180	108.85	12.01	3.2
	yes	3	no		no		no		no			193	168	12.38	5.1
	no		no		no		no		no			195	91	7.15	1.6
	no		no		no		no		no			198	92	13.63	3.1
	no		no		no		no		no			202	99	21.9	5.4
2	no		no		no		no		no			212	101.86	13.22	3.3
	no		no		no		no		no			216	100	15.53	3.8
	no		no		no		no		no			221	150	91.41	33.9
	yes	5	no		no		no		no			229	94	13.84	3.2
1	no		no		no		no		no			236	151.32	15.23	5.7
	yes	5	no		no		no		no		no accidents a	248	106.76	41.66	11
	no		no		no		no		no			249	102.84	9.06	2.3
	no		no		no		no		no			261	102.5	11.14	2.8
	no		no		no		no		no						
	no		no		no		no		no			265	93.83	4.18	1
	no		no		no		no		no			273	90	4.89	1.1
	yes	5	no		no		no		no			276	118	12.8	3.7
	yes	3	no		no		no		no			278	107.37	13.21	3.5

no	no	no	no	no		279	207.93	7.22	3.7
no	no	no	no	no		281	110.05	6.43	1.7
no	no	no	no	no		283	107.6	25.65	6.8
no	no	no	no	no		285	124.84	8.93	2.8
no	no	no	no	no		286	113.04	17.7	4.9
no	no	no	no	no		288	123	30.87	9.4
no	yes	1 no	no	no		291	97	7.36	1.8
no	no	no	no	no		293	101.78	20.9	5.3
yes	4 no	no	no	no	morning headc	294	112.9	16.08	4.5
no	no	no	no	no		295	77.3	34.35	6.6
0 no	no	no	no	no		300	107.41	17.17	4.6
no	no	no	no	no		302	99.8	5.95	1.5
no	no	no	no	no		304	86	26.8	5.7
no	no	no	no	no		307	88.55	23.55	5.1
no	no	no	no	no		328	102	9.73	2.5
no	no	no	no	no		331	267	22.66	14.9
no	no	no	no	no		332	141	6.15	3.1
no	no	no	no	no		334	146	9.62	3.5
no	no	no	no	no		336	84.36	21.99	4.6
no	no	no	no	no		340	107	7.7	2
no	no	no	no	no		348	99	4.7	1.1
no	no	yes	2 no	no		349			
no	no	yes	0 no	no		352	85	19.81	4.2
no	no	no	no	no		359	84.54	3.3	0.7
1 no	no	no	yes	3 no		363	96	18.41	4.4
no	no	no	no	no		364	93.56	18.33	4.2
no	no	no	no	no		371	87.97	8.07	1.8
no	no	no	no	no		374	141.16	13.91	4.8
no	no	no	no	no		375	128	136.65	31.6
no	no	no	no	no		384	92.95	5.87	1.3
no	no	no	no	no		387	139	19.79	6.8
yes	3 no	no	no	no		391	138.36	12.07	4.1
no	no	no	no	no		394	103	12.35	3.1
no	no	no	no	no		397	114.7	11.4	3.2
no	no	no	no	no		398	81.2	20.8	4.2
no	no	no	no	no		403	108.38	25.45	6.8
no	no	no	no	no		405	106	26.96	7.1
no	no	no	no	no		406	104.53	20.02	5.2
no	no	no	no	no		412	155	43.95	16.8
no	no	no	no	no		413	117.5	13.22	3.8
no	no	yes	0 no	no		414	94	17.63	4.1
4 no	no	no	no	no		421	88	19.7	4.3
no	no	no	no	no		426	96.05	7.39	1.8
no	no	no	no	no		437	88.73	5.65	1.2
3 yes	3 no	no	no	no		442	140	22.91	7.9
no	no	no	no	no		445	108	15.62	4.2
no	no	no	no	no		446	156	22.47	8.7
no	no	no	no	no		449	86	20.58	4.4
no	no	no	no	no		451	80	10.35	2
no	no	yes	2 no	no		459	89	19.92	4.4
no	no	no	no	no		466	86.43	15.01	3.2
no	no	no	yes	2 no		469			
3 no	no	no	no	no		470	92	22.52	5.1
2 no	no	no	no	no		472	213	18.69	9.8
no	no	no	no	no		475	217.82	11.37	6.1

	no	no	no	no	no			484	106.17	14.66	3.8
	no	no	no	no	no			489	96.3	25.96	6.2
	no	no	no	no	no			491	98	6.9	1.7
	no	no	yes	3	no	no		499	103	7.96	2
	yes	0	no	no	no	no		500	105.39	35.65	9.3
1	no	no	yes	1	no	no		504	134	11.96	4
	no	no	no	no	no	no		506	87.39	9.22	2
	no	no	no	no	no	no		507	91.87	26.94	6.1
2	no	no	no	no	no	no		516			
	no	no	no	no	no	no		519	88	5.91	1.3
	no	no	no	no	no	no		523	94	21.82	5.1
	no	no	no	no	no	no		526	101	8.51	2.1
	no	no	no	no	no	no		527	108	11.74	3.1
	no	no	no	no	no	no		529	94	11.39	2.6
	no	no	no	no	no	no		530	101	16.05	4
4	no	no	no	no	no	no	pacemaker ins	539	110	34.26	9.3
	no	no	no	no	no	no		541	111	28.69	7.9
	no	no	no	no	no	no		546	91	15.22	3.4
	no	no	no	no	no	no		549	97	48.03	11.5
	no	no	no	no	no	no		553	139.04	9.7	3.3
	no	no	no	no	no	no		558	99	15.97	3.9
	no	no	yes	3	no	no		560	101	13.89	3.5
	no	no	no	no	no	no		563	96	20.59	4.9
	yes	3	no	no	no	no		566	82	7.94	1.6
2	no	no	no	no	no	no		568	210	60.96	31.6
	no	no	no	no	no	no		576	149	8.53	3.1
	no	no	no	no	no	no		577	114	33.12	9.3
	no	no	yes	1	no	no		585	97.4	9.44	2.3
	no	no	no	no	no	no		587	93	11.21	2.6
	no	no	no	no	no	no		595	91	16.01	3.6
	no	no	no	no	no	no		596	108	22.97	6.1
	no	no	no	no	no	no		597	98.2	7.94	1.9
	no	no	no	no	no	no		603	94	52.25	12.1
	no	no	no	no	no	no		606	112	42.53	11.8
	no	no	no	no	no	yes	3	611	121.37	16.6	5
	no	no	no	no	no	no		612	97	12.74	3.1
	no	no	no	yes	1	no		615	85	16.66	3.5
	no	no	no	no	no	no		618	99.5	13.43	3.3
	no	no	no	no	no	no		619	88	5.41	1.2
	no	no	no	no	no	no		623	84	12.68	2.6
	no	no	no	no	no	no		624	89	9.39	2.1
	no	no	no	no	no	no		626	84	24.01	5
2	no	no	no	no	no	no		627	187	24.46	11.3
	no	no	no	no	no	no		644	94	5.23	1.2
3	no	no	no	no	no	no		645	99.78	5.62	1.4
	no	no	no	no	no	no		647	136.89	10.15	3.4
3	no	no	no	no	no	no		657	144	29.38	10.4
	no	no	no	no	no	no		659	114.62		
	no	no	no	no	no	no		669	106	8.4	2.2
	no	no	no	no	no	no		670	75	1.89	0.3
3	no	no	no	no	no	no		673	141	22.72	7.9
	no	no	no	no	no	no		677	119	17.49	5.1
	no	no	no	no	no	no		682	96	27.85	6.6
	no	no	no	no	no	no		688	95	12.94	
	no	no	no	no	no	no		695	157	37.92	14.7
	no	no	no	no	no	yes	2	696	190.5	8.18	3.8
	no	no	no	no	no	no		699	94	8.99	2.1
	no	no	no	no	no	no		706	133	21.68	7.1
	no	no	no	no	no	no		712	108	20.14	5.4
	no	no	no	no	no	no		713	97	11.78	2.8
	no	no	no	no	no	no		714	150	37	13.7
	no	no	no	no	no	no		722	102	2.75	0.1

	no	no	no	no	no	738	119	133.54	29.4
	no	no	no	no	no	739	83	18.47	3.8
	no	no	no	no	no	743	128	19.47	6.2
	no	no	no	no	no	744	112.8	18.14	5.1
	no	no	no	no	no	753	86	14.01	3
	no	no	no	no	no	757	103.39	9.9	2.5
	no	no	no	no	no	760	102	14.05	3.5
2	no	no	no	no	no	763	100	13.07	3.2
	no	no	no	no	no	767	88	12.51	2.7
	no	no	no	no	no	769	95	24.8	5.8
	no	no	no	no	no	776	118	19.08	5.6
	no	no	yes	1	no	782	100	10.1	2.5
	no	no	no	no	no	792	95	8.03	1.9
	no	no	yes	0	no	793	357	16.48	14.5
	no	no	no	no	no	794	97	6.3	1.5
	no	no	no	no	no	796	82	14.79	3
	no	no	no	no	no	799	88	9.5	2.1
1	no	no	no	no	no	800	329	13.3	10.8
	yes	1	no	no	no	803	84	10.01	2.1
	no	no	no	no	no	811	90	14.75	3.3
	no	no	no	no	no	814	102	12.1	3
0	no	no	no	no	no	815	101	13.5	3.4
	no	no	no	no	no	820	94	27.55	6.4
	no	no	no	no	no	821	79	19.16	3.7
	no	no	no	no	no	824	100	10.45	2.6
0	yes	0	no	no	no	825	122	17.1	5.2
	no	no	no	no	no	832	148	12.05	4.4
	no	no	no	no	no	839	83	17.39	3.6
	no	no	no	no	no	840	99	10.57	2.6
	no	no	no	no	no	841	95.6	13.84	3.3
	no	no	no	no	no	843	114	9.79	2.8
	no	no	no	no	no	844	88	31.23	6.8
	no	no	no	no	no	847	160	17.67	7
	no	no	no	no	no	850	91	12.76	2.9
	no	no	no	no	no	864	95	6.04	1.4
	no	no	no	no	no	865	126		
	no	no	no	no	no	866	89	24.93	5.5
	no	no	no	no	no	870	81	3.79	0.8
	no	no	no	no	no	955	90	6.1	1.4